

reald_archive

COLLABORATORS

	TITLE : reald_archive		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY		December 6, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

reald_archive

1.1 real3d_archive1.guide

Internet Real3D Mailing List Archive # 1

Compiled by Brendan Langoulant (list admin)

This is not just an extract, but a full reproduction of all mail received by the list.

(To squash any ideas that the list is moderated ;)

Joining the list

List by Subjects

Info on Real3d V2

If anyone wants to organise this more effectively.. Feel free, but Please notify me (Brendan) before releasing it.

1.2 joining

To join the list you must have an internet emailing address.

Post a message to : listserv@ucc.gu.uwa.edu.au

Subject: line makes no difference

with a body message in the format subscribe <list> <your name>

eg.

```
subscribe real3d Brendan Langoulant
                ^^^^^^^^^^^^^^^^^^^
                Put your name here
```

If you have problems, mail me at

brendan@gu.uwa.edu.au

1.3 listbysubject

real3d Mailing list Address
Real3d
Real3D human head/body objects Wanted
Real3D Version 2
Upgrade price from 1.41 (Pro-Turbo)
Hi
Imagine -> Real 3D
Imagine -> Real 3D
Re: Imagine -> Real 3D (fwd)
forwarded mail
Imagine -> Real 3D (fwd)
rendering in Real3D 2.0
Settings
Real3D list Forced Reply
test of reply to list
Re: test of reply to list
Re: rendering in Real3D 2.0
Activa email address (fwd)
Questions about Real3D 2.0
Re: rendering in Real3D 2.0 (fwd)
Activa email address (fwd)
Re: Questions about Real3D 2.0
Lighting Scenes
Human Forms?
Re: Lighting Scenes
Re: Activa email address (fwd)
Re: Questions about Real3D 2.0
Re: Lighting Scenes
Re: rendering in Real3D 2.0 (fwd)
Re: rendering in Real3D 2.0 (fwd)
Re: Questions about Real3D 2.0
Re: Activa email address (fwd)
Re: Activa email address (fwd)
Re: Questions about Real3D 2.0
Re: Activa email address (fwd)
Re: Activa email address (fwd)
Who I am and what I do??
Software Failure running TurboReal:
Re: Software Failure running TurboReal
Re: Software Failure running TurboReal
Tutorials
Re: Activa email address (fwd)
Re: Who I am and what I do??
Re: Software Failure running TurboReal:
Re: Software Failure running TurboReal:
Pouring water (was Re: Questions about Real3D 2.0)
UK Real3d v 2.xx Shipping!
Re: Tutorials
Re: Pouring water (was Re: Questions about Real3D 2.0)
Re: Who I am and wha
Re: Tutorials
Re: Tutorials
Re: Activa email address (fwd)
Retina support

Re: rendering in Real3D 2.0
Real 3D object sites
Re: Tutorials
Re: Aactiva email address (fwd)
Re: Pouring water (was Re: Questions about Real3D 2.0)
Re: Software Failure running TurboReal:
ok...
Stack size for Real3D *-John.S-*
Re: ok...
Bugs in 2.30
Re: ok...
Re: Pouring water (was Re: Questions about Real3D 2.0)
Re: ok...
ok...
Re: ok...
Re: Aactiva email address (fwd)
Re: ok...
R3d-2.0 questions
Re: ok...
Re: Aactiva email address (fwd)
Re: Pouring water (was Re: Questions about Real3D 2.0)
Re: ok...
Re: ok...
Re: Stack size for Real3D *-John.S-*
Re: Aactiva email address (fwd)
Re: ok...
Re: ok...
Re: Aactiva email address (fwd)
Re: ok...
version
Re: ok...
R3d-2.0 questions
Retina support
Re: ok...
Re: ok...
Re: Aactiva email address (fwd)
Re: Retina support
Re: Stack size for Real3D *-Joh
Re: ok...
Real3D vs. Caligari vs. others
R3D has arrived
Re: version
Updates to Real3D V.2
Re: ok...
Re: Stack size for Real3D *-Joh
Re: Pouring water (was Re: Questions about Real3D 2.0)
Re: Real3D vs. Caligari vs. others
Re: Real3D vs. Caligari vs. others
Re: Real3D vs. Caligari vs. others
Re: Real3D vs. Caligari vs. others
Re: ok...
Re: version
Re: Software Failure running TurboReal:
Re: Pouring water (was Re: Questions about Real3D 2.0)
Some impressions on Real3D 2.0 & Re: Tutorials
Re: Real3D vs. Caligari vs. others
Re: Stack size for Real3D *-Joh

Re: Real3D vs. Caligari vs. others
Re: Real3D vs. Caligari vs. others
Some impressions on
Re: Real3D vs. Caligari vs. others
Re: Some impressions on Real3D 2.0 & Re: Tutorials
Re: Stack size for Real3D *-Joh
R3d2 & interlace rendering
2 dimensional primitives problem
R3D2 & 2.04
Another Bug?
Re: Real3D vs. Caligari vs. others
Speed of rendering
Re: version
Chemistry with RPL ?
Re: Chemistry with RPL ?
Real 3D upgrades
Re: Real 3D upgrades
Re: Real3D vs. Caligari vs. others
Re: Software Failure running TurboReal:
Re: Real 3D upgrades
Re: R3D2 & 2.04
Re: Real 3D upgrades
Re: Real 3D upgrades
3DO (was Re: Chemistry with RPL ?)
Re: Real3D vs. Caligari vs. others
Re: Real3D vs. Caligari vs. others
Rendering Engine
Re: 3DO (was Re: Chemistry with RPL ?)
Re: Rendering Engine
Re: Real 3D upgrades
Re: R3D2 & 2.04
Re: Real3D vs. Caligari vs. others
Re: Rendering Engine
Re: Rendering Engine
R3D2 & screens
NTSC aspect ratio
Re: NTSC aspect ratio
R3Dv2 - a critique
Re: R3Dv2 - a critique
Re: ok...
YET another bug?
Re: ok...
Re: Activa email address (fwd)
Aspect Ratio
More questios on Real3D
Re: Aspect Ratio
UNDO
Re: UNDO
Re: UNDO
Re: Real3D vs. Caligari vs. others
Re: Real3D vs. Caligari vs. others
Re: Real3D vs. Caligari vs. others
Re: Real3D vs. Caligari vs. others
Re: Real3D vs. Caligari vs. others
Broadcast video (was Re: Real3D vs. Caligari vs. others)
Re: Real3D vs. Caligari vs. others
Re: Broadcast video (was Re: Real3D vs. Caligari vs. others)

Re: Real 3D upgrades
Re: Broadcast video (was Re: Real3D vs. Caligari vs. others)
Toaster/Component Video
Re: Broadcast video (was Re: Real3D vs. Caligari vs. others)
Re: Broadcast video (was Re: Real3D vs. Caligari vs. others)
Re: Real3D vs. Caligari vs. others
Re: Speed of rendering
Re: Real 3D upgrades
Re: Some impressions on
Re: PAL vs NTSC
Re: EGS LIBRARY
Re: Some impressions on
Re: Real 3D upgrades
Re: Real 3D upgrades
Re: Speed of rendering
Environments in Real3D 2.33
Re: Speed of rendering
Re: Real3D vs. Caligari vs. others
Help.
Re: Help.
my email is wrong!
Re: Environments in Real3D 2.33
Re: Help.
Re: Help.
Re: Help.
Re: Real 3D upgrades
Re: All these replies
Help2
Re: Help2
Re: Help2
Re: All these replies
Re: Help2
Re: All these replies
SKSH <> R3D2 problem
Subscribe, please?
Re: ok...
Re: RE: Help2
Re: Help2
Re: Help2
Re: Help2
Re: Help.
Re: Help.
Re: Help.
R3D
Re: Help2
Re: Help2
Re: Help2
R3D
Previous Posts
Re: ok...
Re: Help2
Real/Imagine ray trace test
Re: ok...
Re: Real/Imagine ray trace test
Re: Help2
Re: Help2
Re: All these replies

Re: Help2
Re: Help2
Re: All these replies
Re: UNDO
Misc. thoughts
Re: Misc. thoughts
Re: R3D
Please remove me from this list !
Re: Help2
How do you UNSUBSCRIBE!!!!???
non FPU version of R3D2
Font Converter
Motion Blur
Re: How do you UNSUBSCRIBE!!!!???
Re: non FPU version of R3D2
Re: Font Converter
Re: non FPU version of R3D2
Re: How do you UNSUBSCRIBE!!!!???
Re: R3D
Re: Motion Blur
Unsubscribing
Please Ignore
Re: How do you UNSUBSCRIBE!!!!???
Dongle disables other software
Tutorials
Re: R3D
Re: R3D
complaints
Reviews
Re: Help2
Re: Misc. thoughts
Re: Misc. thoughts
C_TOROID mystery
AmigaGuide with Real2
Re: All these replies
Re: Help2
Re: Help2
Re: SKSH <> R3D2 problem
Re: ok...
R3d-2.0 updates, how to get?
Re: Help2
Motion Blue
Object sizing
Trees
Re: R3D
Is this list censored
Re: R3D
bug?
Re: Indiana*%\$#\$!!!
Hints from Andy
Question from Andy
Re: R3D
Re: R3D
dctv
Re: Trees
Lens flare
bug?

Missing Mail
UNSUBSCRIBE
Re: Lens flare
Re: Lens flare
Re: Prism
hot keys
Missing Mail
Re: bug?
HAM8 anim player ..
Re: Missing Mail
Delays to Requests...
Re: Lens flare
Re: Lens flare
Driver Retina
RE: hot keys
Re: hot keys
Re: I WANT SOFT SHADOWS!
Re: Question from Andy
Re: I WANT SOFT SHADOWS!
Re: Misc. thoughts
SUBSCRIBE
How do I get R3Dv2 to do this?
HAM8 anim player ..
Re: UNSUBSCRIBE
Materials in R3D2
Mirrored fonts
Read 3D v2 on an A3000
Re: Real 3D object sites
Speed of optimised Real40
Re: Materials in R3D2
Re: Read 3D v2 on an A3000
Re: Real 3D object sites
Re: Speed of optimised Real40
Re: Question from Andy
Re: Mirrored fonts
Read 3D v2 on an A30
Re: C_TOROID mystery
Re: Real 3D object sites (fwd)
Re: Reviews
Re: Missing Mail
Re: Misc. thoughts
Re: R3D
Re: complaints
maillist readme and admin address
Re: complaints
Re: SUBSCRIBE
Please UNSUBSCRIBE me!
Re: maillist readme and admin address
Re: complaints
Re: complaints
Version history
Re: Error Condition Re: Re: Please UNSUBSCRIBE me!
IDE drive for DPS PAR (was Re: IDE vs. SCSI)
Re: I WANT SOFT SHADOWS!
Re: Question from Andy
Re: Mirrored fonts
Virtuell mem

Real Problems
Re: non FPU version of R3D2
Re: non FPU version of R3D2
Polygon Mesh Problem
Re: non FPU version of R3D2
RE: Speed of optimised Real40
Re: Virtuell mem
Re: Virtuell mem
Re: Help2
Re: Misc. thoughts
Suggestions
Re: Motion Blue
RE: Speed of optimised Real40
Re: non FPU version of R3D2
Modem Setting for Activa's support BBS
Optimising Real40?
Seagate 3600A for DPS PAR, mailing list deal.
version 2.34
Suggestions
Re: Suggestions
Re: version 2.34
Re: version 2.34
Real Wishlist
Re: version 2.34
RE: Speed of optimised Real40
Re: version 2.34
Re: Missing Mail
Re: maillist readme and admin address
dctv & anims
Question??
REMOVE
Re: Materials in R3D2
Re: Question??
Bugs in 2.34, & questions
Re: Bugs in 2.34, & questions
Re: Bugs in 2.34, & questions
Re: Bugs in 2.34, & questions
Re: Bugs in 2.34, & questions
Re: Bugs in 2.34, & questions
Re: Motion Blues
subscribe
remove
remove
external screens
Re: complaints
Re: complaints
Re: IDE drive for DPS PAR (was Re: IDE vs. SCSI)
Read3D FTP site??
Re: IDE drive for DPS PAR (was Re: IDE vs. SCSI)
Re: complaints
Re: Read3D FTP site??
Re: Read3D FTP site??
Re: IDE drive for DPS PAR (was Re: IDE vs. SCSI)
Re: Read3D FTP site??
Re: Real Wishlist
Re: complaints
Re: Read3D FTP site??

Re: Real Wishlist
Re: Read3D FTP site??
Re: complaints
Re: Read3D FTP site??
Re: Read3D FTP site??
UPgrading to R3D2 by visa in UK?
Re: Real Wishlist

1.4 item000

From brendan@gu.uwa.edu.au Sat Apr 17 05:10:59 1993
From: Brendan Langoulant <brendan@gu.uwa.edu.au>
Subject: real3d Mailing list Address
Date: Fri, 16 Apr 1993 21:10:59 +0800 (WST)

Greetings all,
It has returned... (I hope with no bugs) Sorry for the problems.
To mail to it send mail to

real3d@gu.uwa.edu.au

if you have any problems mail me on

brendan@gu.uwa.edu.au

Not much time..... REAL3D V2 !!!!!

Is that enough to spark conversation?

--

Brendan Langoulant
brendan@gu.uwa.edu.au

1.5 item001

From evan@gu.uwa.edu.au Fri Apr 16 22:09:36 1993
Date: Fri, 16 Apr 1993 22:09:36 +0800
From: Evan Scott <evan@gu.uwa.edu.au>
Subject: Real3D Archive Sites

Are there any object archive sites or wombles?

1.6 item002

From G.Coulter@daresbury.ac.uk Fri Apr 16 22:37:46 1993
Date: Fri, 16 Apr 93 15:26:55 BST
From: "G.Coulter" <G.Coulter@daresbury.ac.uk>
Subject: Real3D human head/body objects Wanted

Hi Everyone

I am considering building a human from, much the same as cycleman for use in a T2 type rendering using Real3D , does anyone out there have, such an object to save me some time.

PS I am also looking for a human type face, quite detailed of possible.

Thanks -Gary-

G.Coulter@daresbury.AC.UK

1.7 item003

From brendan@gu.uwa.edu.au Tue Apr 20 02:13:51 1993
From: Brendan Langoulant <brendan@gu.uwa.edu.au>
Subject: Real3D Version 2
Date: Mon, 19 Apr 1993 18:13:51 +0800 (WST)

Greetings all,
Who out there has Real3D Version 2 ?

If that is you, I would be interested to see what your initial thoughts on the product are... What problems have you come up against ? What doesnt it do ?

This may sound a little negative, but I have used the Betatest version and I couldnt find much wrong, and I wouldnt dare say them now the release version is out there...

--
Brendan Langoulant
brendan@gu.uwa.edu.au

1.8 item004

From brendan@gu.uwa.edu.au Tue Apr 20 02:50:02 1993
From: Brendan Langoulant <brendan@gu.uwa.edu.au>
Subject: Upgrade price from 1.41 (Pro-Turbo)
Date: Mon, 19 Apr 1993 18:50:02 +0800 (WST)

Forwarded message:

> From POSTMASTER@dlgm.dl.ac.uk Mon Apr 19 18:47:13 1993
> ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Notice the address Gary.

> Date: Mon, 19 Apr 93 11:47:14 BST
> From: "G.Coulter" <G.Coulter@uk.ac.daresbury>
> To: brendan@gu.uwa.edu.au
> Subject: Upgrade price from 1.41 (Pro-Turbo)
>

```
> -*real3d*-  
>  
> Hi Everyone ...  
>  
> Does anyone out there have any idea how much its going  
> to cost to upgrade from Real3D 1.41 (Pro-Turbo) to R3D2  
> here in the UK?  
>  
> -Gary-  
>  
>
```

1.9 item005

From gfxbase!ebers@tmpmbx.netmbx.de Thu May 6 00:49:30 1993
Date: Wed, 5 May 93 18:44:18 CET
From: ebers@gfxbase.in-berlin.de (Thorsten Ebers)
Subject: Hi

I just send out my subscribtion.
I am having Real3D V2.
I am still learning with the tutorials.

hope to see from you.bye
Grettings Thorsten

Thorsten Ebers e-mail: ebers@gfxbase.in-berlin.de

Tel.: +49 30 321 3428

1.10 item006

From ddt@ucc.gu.uwa.edu.au Fri May 7 15:25:01 1993
Date: Fri, 7 May 1993 15:25:01 +0800
From: David Bennett <ddt@ucc.gu.uwa.edu.au>
Apparently-To: real3d

Hello (Im not english or speling good),
How you get mesh to morph between two objects formed at different times.
Im only using version 1.4.

David
[DDT] Pink fish forever.

1.11 item007

From leon@stack.urc.tue.nl Fri May 7 12:06:00 1993
From: leon@stack.urc.tue.nl (Leon Woestenberg)
Subject: Imagine -> Real 3D
Date: Fri, 7 May 1993 10:06:00 +0200 (MET DST)

Hi Really nice people,

Nope, I'm not having problems converting Imagine objects to Real3D

I'm just considering to become a Real3D user (after those nice feature list showed up on the nets) after having worked with Imagine for the last years. Are there many people around that can afford the Real3D 2.0 package, as it's quite expensive. I'm considering to buy the package along with some other friends (better one bought package then a handfull of copies).

Are there already people around with 2.0 at their Amiga? If so, how does this new version 'feel' and trace? Is there still a terminating dongle, so that you cannot use the printer, and have to lug all the time?

--

1.> Signature on request only... Leon Woestenberg (leon@stack.urc.tue.nl)

--

1.12 item008

From brendan@ucc.gu.uwa.edu.au Sat May 8 00:42:02 1993
From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>
Subject: Re: Imagine -> Real 3D (fwd)
Date: Fri, 7 May 1993 16:42:02 +0800 (WST)

Forwarded message:

>
> *-real3d-*
>
> ----- Begin Included Message -----
>
> Hi Really nice people, Leon Woestenberg (leon@stack.urc.tue.nl)
>
>
>
> Are there already people around with 2.0 at their Amiga? If so, how does
> this new version 'feel' and trace? Is there still a terminating dongle, so
> that you cannot use the printer, and have to lug all the time?
>
> ----- End Included Message -----
>
> I think that I heard somewhere that Active were also going to produce
> a joystick port "Dongle" in addition or instead of the parallel port
> "Dongle" at a later date.
>
> -Gary-
>
> PS Are you on here John? -

1.13 item009

From john@heights.demon.co.uk Fri May 7 18:56:30 1993
Date: Fri, 7 May 93 18:56:30 GMT
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
Subject: forwarded mail

On May 7, David Bennett wrote:

[----- text of forwarded message follows -----]

Hello (Im not english or speling good),
How you get mesh to morph between two objects formed at different times.
Im only using version 1.4.

David
[DDT] Pink fish forever.

[----- end of forwarded message -----]

Both the objects MUST have to have the same number of points if they are meshes. Then you..

1. Go to the end frame with the second object
2. Delete the first object
3. Rename the second object with the same name as the first.
4. Expose it
5. Chose MORPH from the animation menu and give it the start/end frames.

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.14 item010

From john@heights.demon.co.uk Fri May 7 19:01:50 1993
Date: Fri, 7 May 93 19:01:50 GMT
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
Subject: Imagine -> Real 3D (fwd)

On May 7, Leon Woestenberg wrote:

[----- text of forwarded message follows -----]

Are there already people around with 2.0 at their Amiga? If so, how does this new version 'feel' and trace? Is there still a terminating dongle, so that you cannot use the printer, and have to lug all the time?

[----- end of forwarded message -----]

My upgrade version of v2 is in the post from Holland, but I did play with it at a recent show here, and it is REALLY impressive, as others have said (people who already have the package). There is so much to say about it, that those who have used it could probably tell you more, but it seems very slick and clever, and totally user definable from the small play I had with it - it traces pretty wonderfully from what I can tell.

There is no parallel dongle, and the guy from Activa demonstrating it said that there never will be - it is a joystick dongle (with a passthrough I believe)

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.15 item011

From collett@agora.rain.com Wed May 8 17:20:00 1993
Date: Sun, 9 May 93 00:20 PDT
From: collett@agora.rain.com (Ray Collett)
To: real3d@ucc.gu.uwa.edu.au
Subject: rendering in Real3D 2.0

I had a chance to dabble with Real3D 's v2.0 yesterday. I only had about 45 mins to explore it. I'm really excited about the possibilities that this impressive software package has to offer! I am a long time Imagine user who's fed up with the mediocre quality of render that Imagine has produced for me. This is not a flame towards Imagine, by far, I like the Price/preformance capabilities.

Anyways, being quality oriented, I decided to test Real3D 's image quality. My first expirament was to make a simple ball and render it. Sounds easy... I get an out of memory error. Hmm... 18megs to render a simple ball? Sounds weird. I then play with all kinds of settings, lighting, textures, brush maping, camera angles. Nothing! I finaly get it to render the background, but no object!

With time running out, I decide to try one of the toutorial projects. No luck. No objects, just background.

My friend unfortunaly left the manual at home, so I could'ent just look up the answer. Anyone have any ideas as to why I could'ent get any of the Objects to render? TI'm hoping to get Read2D v2.0 included in my next budget, the example renders looked really neat!

Thanks,

OooO
O Ray Collett collett@agora.rain.com Party on! O
OooO

1.16 item012

From gfixbase!ebers@tmpmbx.netmbx.de Mon May 10 06:50:37 1993
Date: Mon, 10 May 93 00:48:43 CET
From: ebers@gfixbase.in-berlin.de (Thorsten Ebers)
Subject: Settings

Hi all,
anyone know if there is a way at the version 2.30 to store
your external screen Settings at a envirement, or should
I try to make a macro , or is there a way of using RPL ???

greetings Thorsten

Thorsten Ebers e-mail: ebers@gfixbase.in-berlin.de

Tel.: +49 30 321 3428

1.17 item013

From brendan@ucc.gu.uwa.edu.au Mon May 10 19:27:00 1993
From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>
Subject: Real3D list Forced Reply
Date: Mon, 10 May 1993 11:27:00 +0800 (WST)

Greetings all,

I am going to change the Reply to: field so that you automatically reply
to the list... At present it replies to the person that sent the mail...
So, if you object to this violently, please tell me now..

--

Brendan Langoulant
brendan@gu.uwa.edu.au

1.18 item014

From brendan@ucc.gu.uwa.edu.au Mon May 10 23:17:39 1993
From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>
Subject: test of reply to list
Date: Mon, 10 May 1993 15:17:39 +0800 (WST)

** PLEASE IGNORE **

Just a test.... The Real3D list will now hopefully automatically respond to
the list as opposed to the individual.

--

Brendan Langoulant
brendan@gu.uwa.edu.au

1.19 item015

From G.Coulter@daresbury.ac.uk Mon May 10 15:35:52 1993
Date: Mon, 10 May 93 08:28:17 BST
From: "G.Coulter" <G.Coulter@daresbury.ac.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: test of reply to list

-real3d-
** PLEASE IGNORE **

TEST

1.20 item016

From collett@agora.rain.com Mon May 10 08:21:00 1993
Date: Mon, 10 May 93 15:21 PDT
From: collett@agora.rain.com (Ray Collett)
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: rendering in Real3D 2.0

Errors-To: nobody@email.sp.paramax.com

On May 10 activa@motship.hacktic.nl (Paul van der Heu) wrote:

>Hi Ray (Ray Collett), in <m0ns5gY-0001eTC@agora.rain.com> on May 9 you wrot
>
> > Anyways, being quality oriented, I decided to test Real3D 's image qualit
> > My first expirament was to make a simple ball and render it. Sounds eas
> > I get an out of memory error. Hmm... 18megs to render a simple ball?
>
>This happens with the cracked versions floating around ...
>
I kinda suspected this, I'll have to talk him about this.

> > Sounds w> > brush maping, camera angles. Nothing! I finally get it to render ←
the
> > background, but no object!
>
>Same thing. I bet there was no dongle.
>
I did'ent happen to notice one, but then again, I really was'ent looking for one.

> > My aly left the manual at home, so I could'ent just look
>
>My guess is he hasn't got one..
>
> > up the answer. Anyone have any ideas as to why I could'ent get any of t
> > Objects to render? TI'm hoping to get Read2D v2.0 included in my next
> > budget, the example renders looked really neat!
> > Thanks,
>
>Yes, get the original package, it'll work fine.
>
> Activa International, Keienbergweg 95, 1101 GE Amsterdam, The Netherlan
> Phone 31 (0)20 6911914, FAX 31 (0)20 6911428, BBS 31 (0)20 6971880

> UUCP - activa@motship.hacktick.nl , FIDO 2:280/207.32
>
> Once upon a time you could only Imagine, now it's time to get REAL
>
I plan on getting Real3D v2.0. Like I said above, I'll have to talk to him about the source of his copy... Thanks for confirming my suspicion.

1.21 item017

From john@heights.demon.co.uk Mon May 10 12:01:38 1993
Date: Mon, 10 May 93 12:01:38 GMT
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
Subject: Activa email address (fwd)

On May 10, Dino Fancellu wrote:

[----- text of forwarded message follows -----]

Here it is:-

Activa International, Keienbergweg 95, 1101 GE Amsterdam, The Netherlands
Phone 31 (0)20 6911914, FAX 31 (0)20 6911428, BBS 31 (0)20 6971880
UUCP - activa@motship.hacktick.nl , FIDO 2:280/207.32

[----- end of forwarded message -----]

John .. InterNet - john@heights.demon.co.uk
FidoNet - 2:253/510.9

1.22 item018

From bbrown@casca.bll.ingr.com Mon May 10 13:18:40 1993
From: bbrown@casca.bll.ingr.com (Bailey Brown)
Subject: Questions about Real3D 2.0
To: real3d@ucc.gu.uwa.edu.au
Date: Mon, 10 May 93 18:18:40 CDT
In-Reply-To: <m0nsgDa-0001eLC@agora.rain.com>; from "Ray Collett" at May 11, 93 ↵
6:20 am

Hi! I've just started into 3D modeling and animation with Autodesk 3D Studio R2, and though this is a very capable package, there are some things that are hard to do with it and there are things that it just can't do. I would like, as funds permit, to acquire at least two more 3d modeling and animation packages, and I am leaning towards Real3D 2.0 and Imagine.

First of all, does the collision detection and inverse kinematics stuff really work? Has anyone tried bouncing balls down some steps? Are pouring liquids really possible?

I've heard rumours of a PC port. Are they true? If not, I wouldn't mind getting an A4000, but it would be nice if I could run Real3D on the same monster PC I use for 3D Studio. I am torn between getting a 486 motherboard for my spare PC so I can use it as a rendering station (3D Studio cannot be multitasked) or whether I should save the money so I can use it to help pay for an A4000.

Also, I've heard rumours that there will be a version of Real3D 2.0 that uses the Vivid 24 rendering hardware. Can anyone substantiate these? If so, does anyone have any idea of what the Vivid 24 and the Vivid version of Real3D will cost? BTW, the Amiga dealer I talked to here said a guy here in Huntsville has a Vivid board and he's seen it.

Finally, how much does Real3D 2.0 cost and who sells it?

Bailey

1.23 item019

From john@heights.demon.co.uk Tue May 11 00:08:27 1993
Date: Tue, 11 May 93 00:08:27 GMT
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
Subject: Re: rendering in Real3D 2.0 (fwd)

On May 11, Ray Collett wrote:

[----- text of forwarded message follows -----]

> > Anyways, being quality oriented, I decided to test Real3D 's image quality
> > My first experiment was to make a simple ball and render it. Sounds easy
> > I get an out of memory error. Hmm... 18megs to render a simple ball?
>
> This happens with the cracked versions floating around ...
>
I kinda suspected this, I'll have to talk him about this.

[----- end of forwarded message -----]

I'd agree with this - a hacked version was spread middle of last week, but from what I heard it won't render (HAH!) Think of all those pirates who downloaded and distributed 5 or 6 megs of useless hack... (heh!)

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.24 item020

From Tomasz.Piatek@comp.vuw.ac.nz Tue May 11 23:46:48 1993
 Date: Tue, 11 May 1993 11:46:48 +1200
 From: Tomasz Piatek <Tomasz.Piatek@comp.vuw.ac.nz>
 To: real3d@ucc.gu.uwa.edu.au
 In-Reply-To: John Shiali's message of Tue, 11 May 1993 07:02:12 +0800 <9305101201. ↵
 AA004yo@heights.demon.co.uk>
 Subject: Aactiva email address (fwd)

Hi all!

So can I just order a copy of Real3D v2 direct from Aactiva or do I have to wait for it to come to New Zealand? If I can order it directly from Aactiva then does anybody know how much does it cost (product price + shipping costs)? All answers much appreciated.

cheers,
 Tomek

```
+-----+
|  /\      tm                               |
| /--\TOMEK      tpiatek@comp.vuw.ac.nz <-- New Zealand |
+-----+
```

1.25 item021

From Peter.Sjostrom@ludd.luth.se Tue May 11 03:58:48 1993
 From: Peter.Sjostrom@ludd.luth.se
 Subject: Re: Questions about Real3D 2.0
 To: real3d@ucc.gu.uwa.edu.au
 Date: Tue, 11 May 1993 01:58:48 +0200 (MET DST)
 In-Reply-To: <199305102318.AA11273@casca.bll.ingr.com> from "Bailey Brown" at May ↵
 11, 93 07:17:51 am
 Reply-To: Peter.Sjostrom@ludd.luth.se

> First of all, does the collision detection and inverse kinematics
 > stuff really work? Has anyone tried bouncing balls down some steps?
 > Are pouring liquids really possible?

Balls works. I've seen a bowling ball hit the whatever they're called in english. Dunno about liquids...

> I've heard rumours of a PC port. Are they true? If not, I wouldn't

Yes. Realsoft showed Real3D 2.0 beta running under Windows. It was slower on 486-DX2 at 66 MHz than Amiga 4000/040 still, though. They also mentioned a future Indigo release.

> Also, I've heard rumours that there will be a version of Real3D 2.0
 > that uses the Vivid 24 rendering hardware. Can anyone substantiate
 > these? If so, does anyone have any idea of what the Vivid 24 and

Yes, that is also true, but I haven't got it confirmed. I have heard that from multiple sources who are very reliable.

> Finally, how much does Real3D 2.0 cost and who sells it?

Creative Computers in USA sells it for 399 USD.

/Peter

1.26 item022

From brendan@ucc.gu.uwa.edu.au Mon May 10 20:26:11 1993
Date: Mon, 10 May 93 13:27:34 BST
From: "G.Coulter" <G.Coulter@uk.ac.daresbury>
To: brendan@gu.uwa.edu.au
Subject: Lighting Scenes
Sender: brendan@ucc.gu.uwa.edu.au

-real3d-

Hi Everyone ...

I wonder if someone out there can give me some pointers on lighting scenes using Real3D 1.4. The scene I want to create is say a couple of mirrored balls floating over a checker floor and under a cloudy sky. What I want to be able to do is set a over all level of ambient light within the scene. I have tried using two infinite planes for the floor and sky but its hard to light the planes for any distance using Reals lights. I have tried using more than one light but still everything turns to darkness not far from the light source. Any help on how to set up an overall ambient light without over exposing objects near to the camera would be of great help.

-Gary- Internet G.Coulter@Daresbury.AC.UK
 "Science & Engineering Research Council
 Daresbury Laboratory ... UK"

1.27 item023

From brendan@ucc.gu.uwa.edu.au Tue May 11 19:40:11 1993
From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>
Subject: Human Forms?
Date: Tue, 11 May 1993 11:40:11 +0800 (WST)

Greetings all,

I have just been speaking to the distributor of Real3D here in Australia. Apparently there is a macro for creating a human form down to to the hair. This is in the release version of Real3D . Current version is 2.3 I think

--

Brendan Langoulant

brendan@gu.uwa.edu.au

P.S. Only a few more days before my Real3D finally arrives...

Teach me not to put an order in.

1.28 item024

From brendan@ucc.gu.uwa.edu.au Tue May 11 20:26:39 1993

From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>

Subject: Re: Lighting Scenes

To: real3d@ucc.gu.uwa.edu.au

Date: Tue, 11 May 1993 12:26:39 +0800 (WST)

In-Reply-To: <9305101227.AA06080@gserv1> from "G.Coulter" at May 11, 93 11:22:14 ←
am

> Hi Everyone ...

>

> I wonder if someone out there can give me some pointers
> on lighting scenes using Real3D 1.4. The scene I want to
> create is say a couple of mirrored balls floating over a
> checker floor and under a cloudy sky. What I want to be
> able to do is set a over all level of ambient light
> within the scene. I have tried using two infinite planes
> for the floor and sky but its hard to light the planes
> for any distance using Reals lights. I have tried using
> more than one light but still everything turns to darkness
> not far from the light source. Any help on how to set up
> an overall ambient light without over exposing objects
> near to the camera would be of great help.

Well first of all you should use large rectangles because they are faster than infinite... ** sigh ** And you should make the sky material UNSHADED because you dont want your lighting to affect the sky. (I presume).. I as a general rule set the sky to SCENE too so that It doesnt matter if I zoom out a long way.. Set the Background colour to a subtle blue so that you actually have a sky line... Another way to make a sky like material is to map it onto a really large hollow sphere which has the Sky mapping... This will give you some skyline... As for the ground... The problem with UNSHADED is that there is no shadows on it... So if you want shadows you cant have UNSHADED... So you will just have tyo have lots and lots of lamps.. If this seems that I have just typed randomly without any real thought.. Your rightht... So in the current style setting... Thats all folks...

>

> -Gary- Internet G.Coulter@Daresbury.AC.UK
> "Science & Engineering Research Council
> Daresbury Laboratory ... UK"

--

Brendan Langoulant

brendan@gu.uwa.edu.au

1.29 item025

From brendan@ucc.gu.uwa.edu.au Tue May 11 20:46:17 1993
 From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>
 Subject: Re: Activa email address (fwd)
 To: real3d@ucc.gu.uwa.edu.au
 Date: Tue, 11 May 1993 12:46:17 +0800 (WST)
 In-Reply-To: <199305102346.AA23653@regent.comp.vuw.ac.nz> from "Tomasz Piatek" at ↵
 May 11, 93 07:45:25 am

>
 >
 > Hi all!
 >
 > So can I just order a copy of Real3D v2 direct from Activa or do I have to ↵
 > wait
 > for it to come to New Zealand? If I can order it directly from Activa then
 > does anybody know how much does it cost (product price + shipping costs)?
 > All answers much appreciated.

I dont know who has the distribution rights in New Zealand, but I think it
 might be Color Computer Systems... I will phone and ask them. Activa, as far
 as I know wont sell programs to individuals.

>
 > cheers,
 > Tomek
 >
 > +-----+
 > | /\ tm |
 > | /--\TOMEK tpiatek@comp.vuw.ac.nz <-- New Zealand |
 > +-----+
 >

1.30 item026

From john@heights.demon.co.uk Tue May 11 00:35:04 1993
 Date: Tue, 11 May 93 00:35:04 GMT
 In-Reply-To: <199305102318.AA11273@casca.b11.ingr.com>
 (from Bailey Brown <bbrown@casca.b11.ingr.com>)
 (at Tue, 11 May 1993 07:18:41 +0800)
 Reply-To: john@heights.demon.co.uk
 From: John Shiali <john@heights.demon.co.uk>
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Questions about Real3D 2.0

Hi Bailey (Bailey Brown), on May 11 you wrote:

> First of all, does the collision detection and inverse kinematics
 > stuff really work? Has anyone tried bouncing balls down some steps?
 > Are pouring liquids really possible?

Yes - I haven't done it, but I've seen it done and the results.

>
> I've heard rumours of a PC port. Are they true? If not, I wouldn't
> mind getting an A4000, but it would be nice if I could run Real3D on

Yes, true - but the Windoze version will not have the trick
userdefinable interface or the interprocess multitasking.

> the same monster PC I use for 3D Studio. I am torn between getting
> a 486 motherboard for my spare PC so I can use it as a rendering station
> (3D Studio cannot be multitasked) or whether I should save the
> money so I can use it to help pay for an A4000.

Geat an A4000 - better than a PC anyway.

>
> Also, I've heard rumours that there will be a version of Real3D 2.0
> that uses the Vivid 24 rendering hardware. Can anyone substantiate

Supposedly true - rumoured sources form Vivid and also Real3D
betatesters

> these? If so, does anyone have any idea of what the Vivid 24 and
> the Vivid version of Real3D will cost? BTW, the Amiga dealer I
> talked to here said a guy here in Huntsville has a Vivid board
> and he's seen it.

Dunno - Vivid is still in manufactureing, but the full versions is
supposedly 12000 usd (with the full set of four 160mip graphics
processors or something)

> Finally, how much does Real3D 2.0 cost and who sells it?

Comes from Activa originally, based in Holland and Germany, but your
distributer will vary around the world - prices are 400 USD in the
States (I think) and 400 GBP here in the UK

John .. InterNet - john@heights.demon.co.uk
FidoNet - 2:253/510.9

1.31 item027

From john@heights.demon.co.uk Tue May 11 07:02:26 1993
Date: Tue, 11 May 93 07:02:26 GMT
In-Reply-To: <9305101227.AA06080@gserv1>
(from "G.Coulter" <G.Coulter@uk.ac.daresbury>)
(at Tue, 11 May 1993 11:22:14 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Lighting Scenes

Hi G.Coulter (G.Coulter), on May 11 you wrote:

> not far from the light source. Any help on how to set up
> an overall ambient light without over exposing objects
> near to the camera would be of great help.

In the SOLID screen

1. BASELIGHT controls the colour and intensity of the ambient light
2. BRIGHTNESS controls the intensity of the light sources
3. OVERLIGHT controls how overexposed the bright part of the picture becomes

.. pages 46 & 47 of the manual for more details.

You can also try

1. Turning off auto scaling and tinkering with the light intensities

1.32 item028

from the INFO requester

2. Put a mattglass globe around the lightsources to soften them up
(experiment with colours/sizes of glass/light)

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.33 item029

From dino@alex.com Tue May 11 17:40:14 1993
Return-Path: <dino>
Date: Tue, 11 May 93 10:37:33 BST
From: Dino Fancellu <dino@alex.com>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: rendering in Real3D 2.0 (fwd)

> I'd agree with this - a hacked version was spread middle of last week,
> but from what I heard it won't render (HAH!) Think of all those
> pirates who downloaded and distributed 5 or 6 megs of useless hack... (heh!)
>
>
> John .. InterNet - john@heights.demon.co.uk
> FidoNet - 2:253/510.9
>

Well, that WAS true. But there is now a proper crack out that does render.
Although to be honest I still think that anyone doing any professional work
would get the legal version. Also if they properly release a version that
deliberately did not render as just a demo people could still learn RPL,

and do wire frame anims. Answering a lot of questions for themselves, although they of course would not have the wopping manual. Now if only activa would ship in the UK!

Dino.

1.34 item030

From mark@westford.ccur.com Tue May 11 06:50:11 1993
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Questions about Real3D 2.0
 In-Reply-To: Your message of Tue, 11 May 93 07:18:41 +0800.
 <199305102318.AA11273@casca.bll.ingr.com>
 Date: Tue, 11 May 93 10:50:11 EDT
 From: Mark Thompson <mark@westford.ccur.com>

bbrown@casca.bll.ingr.com (Bailey Brown) writes:

> Are pouring liquids really possible?

No, at least not in the sense that you probably think. You could not create a blobby object called water, give it some parameters, put it in a cup object, and then watch it pour when you tip the cup. What was in the marketing blurb was:

"Pour liquid down a curved pipe and see how it runs through and out the other end."

What is going on here is the "liquid" object is being passed through a deformation path that is defined by the user. For example, you could define a snake path and an object passed through that deformation path would bend and turn as it traversed that path. Through careful hand crafting and with some additional effects, you could create the illusion of pouring water.

```
%~~~~~%
%      \      /      Mark Thompson          CONCURRENT COMPUTER %
%  ---==* RADIANT *===-- mark@westford.ccur.com      Principal Graphics %
%      ' Image `      ...!uunet!masscomp!mark      Hardware Architect %
%      Productions      (508)392-2480 (603)424-1829  & General Nuisance %
%~~~~~%
```

1.35 item031

From pvdh@motship.hacktic.nl Wed May 12 01:48:12 1993
 Date: Tue, 11 May 93 11:31:19 CET
 In-Reply-To: <9305101201.AA004yo@heights.demon.co.uk>
 (from John Shiali <john@heights.demon.co.uk>)
 (at Tue, 11 May 1993 07:01:11 +0800)
 Reply-To: pvdh@motship.hacktic.nl
 From: pvdh@motship.hacktic.nl (Paul van der Heu)
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Activa email address (fwd)

Hi John (John Shiali), in <9305101201.AA004yo@heights.demon.co.uk> on May 11 you wrote: ↵

```
> Phone 31 (0)20 6911914, FAX 31 (0)20 6911428, BBS 31 (0)20 6971880
> UUCP - activa@motship.hacktick.nl , FIDO 2:280/207.32
      ^
      oops.. one K to many!!
```

This should be: activa@motship.hacktic.nl

Paul van der Heu, The MotherShip Connection running DLG BB/OS
Home of cOmCOn Productions, Amiga Multimedia in a BIG way
FIDO - 2:280/207.0 , UUCP - pvdh@motship.hacktic.nl

AQUA BOOGIE BABY !! (Psycoalphadiscobetabioaquadolloop) - Parliament

1.36 item032

From john@heights.demon.co.uk Tue May 11 23:58:12 1993
Date: Tue, 11 May 93 23:58:12 GMT
In-Reply-To: <9305111031.AA005pd@motship.hacktic.nl>
(from Paul van der Heu <pvdh@motship.hacktic.nl>)
(at Wed, 12 May 1993 01:51:32 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Activa email address (fwd)

Hi Paul (Paul van der Heu), on May 12 you wrote:

```
> This should be: activa@motship.hacktic.nl
>
> Paul van der Heu, The MotherShip Connection running DLG BB/OS
> Home of cOmCOn Productions, Amiga Multimedia in a BIG way
> FIDO - 2:280/207.0 , UUCP - pvdh@motship.hacktic.nl
>
> AQUA BOOGIE BABY !! (Psycoalphadiscobetabioaquadolloop) - Parliament
>
```

Are you acting as Activa's spokesman for Real3D ?

John .. InterNet - john@heights.demon.co.uk
FidoNet - 2:253/510.9

1.37 item033

From john@heights.demon.co.uk Wed May 12 00:07:44 1993
Date: Wed, 12 May 93 00:07:44 GMT

In-Reply-To: <9305111050.aa07893@hubbub.westford.ccur.com>
(from Mark Thompson <mark@westford.ccur.com>)
(at Wed, 12 May 1993 00:41:32 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Questions about Real3D 2.0

Hi Mark (Mark Thompson), on May 12 you wrote:

> What is going on here is the "liquid" object is being passed through a
> deformation path that is defined by the user. For example, you could define
> a snake path and an object passed through that deformation path would bend
> and turn as it traversed that path. Through careful hand crafting and with
> some additional effects, you could create the illusion of pouring water.

Is there no way of programming this as a macro/texture and using it
again (somekind of randomising involved?) - does any software on any
platform support water type effects?

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.38 item034

From pvdh@motship.hacktic.nl Thu May 13 08:54:42 1993
Date: Wed, 12 May 93 17:59:54 CET
In-Reply-To: <9305112358.AA0050j@heights.demon.co.uk>
(from John Shiali <john@heights.demon.co.uk>)
(at Wed, 12 May 1993 12:39:02 +0800)
Reply-To: pvdh@motship.hacktic.nl
From: pvdh@motship.hacktic.nl (Paul van der Heu)
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Activa email address (fwd)

Hi John (John Shiali), in <9305112358.AA0050j@heights.demon.co.uk> on May 12 you wrote: ←

> Hi Paul (Paul van der Heu), on May 12 you wrote:
>
> > This should be: activa@motship.hacktic.nl
> >
> > Paul van der Heu, The MotherShip Connection running DLG BB/OS
> > Home of cOmCoN Productions, Amiga Multimedia in a BIG way
> > FIDO - 2:280/207.0 , UUCP - pvdh@motship.hacktic.nl
> >
> > AQUA BOOGIE BABY !! (Psycoalphadiscobetabioaquadolloop) - Parliament
> >
>
> Are you acting as Activa's spokesman for Real3D ?

No, but I run both the ACTIVA support BBS and maintain their usenet account
on my system. Questions, remarks etc are forwarded to them (being next door

certainly helps ;^))

--

Paul van der Heu, The MotherShip Connection running DLG BB/OS
Home of cOmCOn Productions, Amiga Multimedia in a BIG way
FIDO - 2:280/207.0 , UUCP - pvdh@motship.hacktic.nl

AQUA BOOGIE BABY !! (Psycoalphadiscobetabioaquadolloop) - Parliament

1.39 item035

From john@heights.demon.co.uk Wed May 12 23:59:08 1993
Date: Wed, 12 May 93 23:59:08 GMT
In-Reply-To: <9305111031.AA005pd@motship.hacktic.nl>
(from Paul van der Heu <pvdh@motship.hacktic.nl>)
(at Wed, 12 May 1993 01:51:32 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Activa email address (fwd)

Hi Paul (Paul van der Heu), on May 12 you wrote:

> This should be: activa@motship.hacktic.nl
>
> Paul van der Heu, The MotherShip Connection running DLG BB/OS
> Home of cOmCOn Productions, Amiga Multimedia in a BIG way
> FIDO - 2:280/207.0 , UUCP - pvdh@motship.hacktic.nl
>
> AQUA BOOGIE BABY !! (Psycoalphadiscobetabioaquadolloop) - Parliament

BTW, one of they Activa guys in London for the Format Live show said that you would be distributing the objects from their BBS onto the internet - what sites will these be going on, and any chance of announcements of filenames to look out for?

John .. InterNet - john@heights.demon.co.uk
FidoNet - 2:253/510.9

1.40 item036

From brendan@ucc.gu.uwa.edu.au Thu May 13 21:45:01 1993
From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>
Subject: Who I am and what I do??
Date: Thu, 13 May 1993 13:45:01 +0800 (WST)

Greetings all,

I would be interested to hear what everyone on the list uses Real3D for...
And what people dont use it before because.... I would also like to know

which version people are using, or what product they are using currently.

If you dont think that what you have to post is directly for the list, please send the reply directly to me and I can make a summary.

My version of Real3D should be here on Monday... ** Yipee **

WARNING!!! Never wait for the shipment before ordering....

--

Brendan Langoulant
brendan@gu.uwa.edu.au

1.41 item037

From brendan@ucc.gu.uwa.edu.au Thu May 13 16:26:21 1993
Date: Thu, 13 May 93 09:24:19 BST
From: "G.Coulter" <G.Coulter@uk.ac.daresbury>
To: brendan@gu.uwa.edu.au
Subject: Software Failure running TurboReal:
Sender: brendan@ucc.gu.uwa.edu.au

-real3d-

Hi Everyone, I wonder if you guys could cast your eyes over this & tell me what you think: I have been using "TurboReal" on my A4000/040 now very happily for about 2-3 months. I use it about three or four times a week and its probably crashed twice in the whole 3 months, does this seem about right or too often? Oh yes by the way I am using version 1.4.

Right well here we go into my real question its not really too much of a problem as its simple to get round but as you know its just one of those things that bugs you. I decided last night that I would re-render the "candlescene" picture which is supplied with real in the animations drawer.

So what I did was open my Real3D drawer, open the animation drawer and double click on the "candlescene" icon, nothing happend at first so I changed the default icon tool to real:TurboReal and up came real with the candle scene loaded. Next I messed around with the scene (only moving the camera in wireframe) and then started to render it. As soon as the rendering 320x200 got just onto the top of the teapot the machine crashed:

SOFTWARE FAILURE

Error: 8000 0004 Task: 07086430 :- Anyone know what this is?

Oh well I thought just one of those things (like ya-do) so I rebooted doing exactly the same, as soon as the Amiga had finished loading Real3D and the "candlescene" I went straight to the rendering screen pressed [RENDER], real

starts rendering and then crashes again:

SOFTWARE FAILURE
Error: 80000 000B

Basically every time that you load Real3D using the "candle scene" icon the machine locks up or crashes with the either one of the above two errors, 0004 or 000B. I then tried loading "TurboReal" from its icon then loaded the "candle scene" animation and rendered it with no problems. I then further tried loading from the "candle scene" icon and everytime the machine crashed. I even deleted all the objects except the teapot, rendered a few time, and then the machine crashed.

It seems more likely to happen if you use [NORMAL] mode instead of [LAMPLESS].

Anyway has anyone got any ideas as to what this could be or had any similar problems; I was just asking because I have not had the machine that long & I,m still running it in & testing it with all my software. I really just want to make sure that it is the software and not the machine. What do you think?

Thanks -Gary-

-G.Coulter@Daresbury.AC.UK

1.42 item038

From brendan@ucc.gu.uwa.edu.au Fri May 14 00:51:03 1993
From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>
Subject: Re: Software Failure running TurboReal
To: real3d@ucc.gu.uwa.edu.au
Date: Thu, 13 May 1993 16:51:03 +0800 (WST)
In-Reply-To: <9305130824.AA01939@gserv1> from "G.Coulter" at May 13, 93 04:31:51 ←
pm

Greetings all,

> 2-3 months. I use it about three or four times a week
> and its probably crashed twice in the whole 3 months,
> does this seem about right or too often? Oh yes by the
> way I am using version 1.4.

It depends on what you are doing... If you have glass objects and put non-glass objects that intersect with them, it can crash quite alot. There are some other things which make it fail. It also seems that the more you try to do the same thing, the more likely it is to crash again. (makes sense really)

It is your software, not the machine....

--

Brendan Langoulant
brendan@gu.uwa.edu.au

1.43 item039

From brendan@ucc.gu.uwa.edu.au Thu May 13 17:06:46 1993
Date: Thu, 13 May 93 10:08:25 BST
From: "G.Coulter" <G.Coulter@uk.ac.daresbury>
To: brendan@gu.uwa.edu.au
Subject: Re: Software Failure running TurboReal
Sender: brendan@ucc.gu.uwa.edu.au

-real3d-

>It depends on what you are doing... If you have glass objects and put
>non-glass objects that intersect with them, it can crash quite alot.
>There are some other things which make it fail. It also seems that the
>more you try to do the same thing, the more likely it is to crash again.
>(makes sense really)
>
>It is your software, not the machine....

Thanks, that at least puts my mind at rest, I guess that
There are probably quite a few bugs in version 1.4 that
were removed with the upgrade 1.41, I'm going to skip that
and go straight onto version2 in 3-4 months.

Any Idea why loading via the candle scene icon should cause
the software failure? and does the number of the Error
mean anything, or is it just a code for divide by zero or
something. Anyway the main thing is that its not the machine
thanks.

PS Just a side note here, do you have problems with things
disappearing in the editor as you zoom in, I was trying to
line up an object with the floor last night, but every time
I zoned in so that I could see the object the floor vanished
only to re-appear when I zoomed out again.

>

>--

>Brendan Langoulant
>brendan@gu.uwa.edu.au

1.44 item040

From switenn@reach.com Thu May 13 13:56:02 1993
Date: Thu, 13 May 93 17:56:02 EDT
From: switenn@reach.com (Shayne White -- ITAS - Boston)
Subject: Tutorials

Has anyone written tutorials for R3D2?

Shayne White
swhitenn.reach.com

1.45 item041

From activa@motship.hacktic.nl Fri May 14 14:27:20 1993
Date: Thu, 13 May 93 12:02:58 CET
In-Reply-To: <9305122359.AA0051p@heights.demon.co.uk>
(from John Shiali <john@heights.demon.co.uk>)
(at Thu, 13 May 1993 12:43:53 +0800)
Reply-To: activa@motship.hacktic.nl
From: activa@motship.hacktic.nl (Activa International)
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Activa email address (fwd)

Hi John (John Shiali), in <9305122359.AA0051p@heights.demon.co.uk> on May 13 you wrote: ←

> BTW, one of they Activa guys in London for the Format Live show said
> that you would be distributing the objects from their BBS onto the
> internet - what sites will these be going on, and any chance of
> announcements of filenames to look out for?

Yes, I will create a BMS site here which will give you access to most files on the support BBS. Actually all but the ones which restricted access.

The BBS and registration of your software is the only way to obtain updates and such from secured areas.

The BMS site will take some time though.

--

Activa International, Keienbergweg 95, 1101 GE Amsterdam, The Netherlands
Phone 31 (0)20 6911914, FAX 31 (0)20 6911428, BBS 31 (0)20 6971880
UUCP - activa@motship.hacktic.nl , FIDO 2:280/207.32

Once upon a time you could only Imagine, now it's time to get REAL

1.46 item042

From gfixbase!ebers@tmpmbx.netmbx.de Fri May 14 16:11:01 1993
Date: Thu, 13 May 93 22:48:01 CET
In-Reply-To: <199305130545.AA04873@mackerel.gu.uwa.edu.au>
(from Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>)
(at Thu, 13 May 1993 13:45:18 +0800)
From: ebers@gfixbase.in-berlin.de (Thorsten Ebers)
To: real3d@ucc.gu.uwa.edu.au

Subject: Re: Who I am and what I do??

Hi Brendan,

> Greetings all,
> I would be interested to hear what everyone on the list uses Real3D for...
> And what people dont use it before because.... I would also like to know
> which version people are using, or what product they are using currently.
>

Ok here I start.

I have version 2.30 and still learnig at the anims.
I used Imagine before and now I see how easy it is to do anims with Real3D
against Imagine.I will do anims for mysel and if am further with REAL
I would like to finance myself with.

>
> My version of Real3D should be here on Monday... ** Yipee **
>

congratulations .

> WARNING!!! Never wait for the shipment before ordering....
>

true ,really true.

> Brendan Langoulant
> brendan@gu.uwa.edu.au

greetings Thorsten

Thorsten Ebers e-mail: ebers@gfxbase.in-berlin.de

Tel.: +49 30 321 3428

1.47 item043

From john@heights.demon.co.uk Fri May 14 00:27:19 1993
Date: Fri, 14 May 93 00:27:19 GMT
In-Reply-To: <9305130824.AA01939@gserv1>
(from "G.Coulter" <G.Coulter@uk.ac.daresbury>)
(at Thu, 13 May 1993 16:29:53 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Software Failure running TurboReal:

Hi G.Coulter (G.Coulter), on May 13 you wrote:

> Hi Everyone, I wonder if you guys could cast your eyes
> over this & tell me what you think: I have been using

> "TurboReal" on my A4000/040 now very happily for about
> 2-3 months. I use it about three or four times a week
> and its probably crashed twice in the whole 3 months,
> does this seem about right or too often? Oh yes by the
> way I am using version 1.4.

About okay - could be fragmented memory or something running in the
background...

> SOFTWARE FAILURE
> Error: 80000 000B

Hmm, processor error, although I do remember having a similar problem
at the same time on that scene with fragmented memory - maybe a
corrupt datafile?

> Anyway has anyone got any ideas as to what this could be
> or had any similar problems; I was just asking because I
> have not had the machine that long & I,m still running
> it in & testing it with all my software. I really just want
> to make sure that it is the software and not the machine.
> What do you think?

Could be the program not handling the 040 (as it is the 030 optimised
version) or maybe corrupt sysyem files - I had something similar -
whenever two programs tried to acess the (corrupt) printer device, it
would crash without fail, even though everything else worked fine -
reinstalling the files fixed it...

--

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.48 item044

From brendan@ucc.gu.uwa.edu.au Fri May 14 17:10:03 1993
Date: Fri, 14 May 93 10:09:42 BST
From: "G.Coulter" <G.Coulter@uk.ac.daresbury>
To: brendan@gu.uwa.edu.au
Subject: Re: Software Failure running TurboReal:
Sender: brendan@ucc.gu.uwa.edu.au

-real3d-

Hi :- John

> > Hi Everyone, I wonder if you guys could cast your eyes
> > over this & tell me what you think: I have been using
> > "TurboReal" on my A4000/040 now very happily for about
> > 2-3 months. I use it about three or four times a week
> > and its probably crashed twice in the whole 3 months,
> > does this seem about right or too often? Oh yes by the
> > way I am using version 1.4.

>
> About okay - could be fragmented memory or something running in the
> background...

 Hmm, not sure about that, the its that Real3D crashes everytime
 that you try to render the candle scene, but only if you loaded
 real from the "candle scene" icon. I used real last night playing
 around with the candle scene (I loaded real on its own) and not
 one single problem, I don't think that a couple of crashes with
 real, especially running on a 040 is out & out. Like you say if
 its optimized for the 030 then a few problems are to be expected.
 I also heard that Real3D 1.4 & 1.41 crash if you try to render
 certain combinations of glass, with intersection solid objects.
 The main thing that I wanted to check is that the machine is OK
 I think that it is otherwise it would crash when you loaded real
 from its icon as well, it must just be some 040 incompatibility
 problem that is a side effect of loading from an animation icon.

>
> > SOFTWARE FAILURE
> > Error: 80000 000B
>
> Hmm, processor error, although I do remember having a similar problem
> at the same time on that scene with fragmented memory - maybe a
> corrupt datafile?

 How do you find out what these error mean?

>
> > Anyway has anyone got any ideas as to what this could be
> > or had any similar problems; I was just asking because I
> > have not had the machine that long & I,m still running
> > it in & testing it with all my software. I really just want
> > to make sure that it is the software and not the machine.
> > What do you think?
>
> Could be the program not handling the 040 (as it is the 030 optimised
> version) or maybe corrupt sysyem files - I had something similar -
> whenever two programs tried to acess the (corrupt) printer device, it
> would crash without fail, even though everything else worked fine -
> reinstalling the files fixed it...

 I can't see corrupt system files being the problem, this
 would cause real to fail both when loaded from its icon
 as well as an animation icon, Just maybe loading from the
 animation icon sets real up in a slightly different way,
 Maybe this is a bug in 1.4 which was fixed in 1.41? Like
 I said at the start my main concern is that the machine
 is OK.

>
>
> --
>
> John .. InterNet - john@heights.demon.co.uk
> FidoNet - 2:253/510.9

Gary SERC DL.

1.49 item045

From mark@westford.ccur.com Fri May 14 08:38:48 1993
 To: real3d@ucc.gu.uwa.edu.au
 Cc: mark@westford.ccur.com
 Subject: Pouring water (was Re: Questions about Real3D 2.0)
 In-Reply-To: Your message of Wed, 12 May 93 12:46:00 +0800.
 <9305120007.AA00513@heights.demon.co.uk>
 Date: Fri, 14 May 93 12:38:48 EDT
 From: Mark Thompson <mark@westford.ccur.com>

> > What is going on here is the "liquid" object is being passed through a
 > > deformation path that is defined by the user.
 > Is there no way of programming this as a macro/texture and using it
 > again (somekind of randomising involved?) - does any software on any
 > platform support water type effects?

It occurs to me that what would have to be done is a fluid dynamics simulation
 (VERY compute intensive) which would drive a volumetric or blobby particle
 model. To my knowledge, outside of research using scientific visualization,
 nothing like this exists.

```
%~~~~~%
%      \      /      Mark Thompson      CONCURRENT COMPUTER  %
%  ----*  RADIANT  *---- mark@westford.ccur.com      Principal Graphics  %
%      ' Image '      ...!uunet!masscomp!mark      Hardware Architect  %
%      Productions      (508)392-2480 (603)424-1829  & General Nuisance  %
%~~~~~%
```

1.50 item046

From dino@alex.com Sat May 15 00:52:24 1993
 Return-Path: <dino>
 Date: Fri, 14 May 93 17:51:25 BST
 From: Dino Fancellu <dino@alex.com>
 Subject: Uk Real3d v 2.xx Shipping!

All UK people who want to buy v 2.xx,

Alternative Image are now taking orders. If you can guarantee that you want
 a copy they will put in a order for you. The cost will be about 330 inc VAT!!
 They are not getting copies to put on their shelves, just fulfilling orders.
 This is being done direct with Activa and NOT through the UK distributors
 as there are still problems in that area.

I talked to Yuri.

The phone number is 0533-440041, fax 0533-440650.

Dino.

1.51 item047

From gfxbase!ebers@tmpmbx.netmbx.de Sat May 15 01:41:52 1993
Date: Fri, 14 May 93 10:15:35 CET
In-Reply-To: <9305132156.AA28277@ad0.reach.com>
 (from swhitenn@reach.com (Shayne White -- ITAS - Boston))
 (at Fri, 14 May 1993 12:37:19 +0800)
From: ebers@gfxbase.in-berlin.de (Thorsten Ebers)
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Tutorials

Hi Shayne,

>
> Has anyone written tutorials for R3D2?
>

just read the manual.It is full of tutorial examples.

> Shayne White
> swhitenn.reach.com

Thorsten

Thorsten Ebers e-mail: ebers@gfxbase.in-berlin.de

Tel.: +49 30 321 3428

1.52 item048

From JAMILLER@kuhub.cc.ukans.edu Tue May 14 10:00:06 1993
Date: 14 May 1993 15:00:06 -0500 (CDT)
From: JAMILLER@kuhub.cc.ukans.edu
Subject: Re: Pouring water (was Re: Questions about Real3D 2.0)
To: real3d@ucc.gu.uwa.edu.au

Could I please be removed from this list? Thank you.

--

jamiller@kuhub.cc.ukans.edu
James Miller

chicchai .sig no ho ga ichiban iin janai ka...
 Enlightenment Happens?

1.53 item049

From swhitenn@reach.com Fri May 14 12:50:39 1993
 Date: Fri, 14 May 93 16:50:39 EDT
 From: swhitenn@reach.com (Shayne White -- ITAS - Boston)
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Who I am and wha

Reply --

I have version 2.31 of Real3D , and I use for hobby purposes right now, but I have a big interest in Amiga 3D graphics and animation. I would like to make my own computer movies someday, and own my own audio/video studio. Real3D is a great program, and I hope it gets the attention it deserves....

```

+++++
+ SHAYNE WHITE - STANDARD DISCLAIMER ....
+ THERE HAS NEVER BEEN A BLOODLESS REVOLUTION... MALCOLM X +
+ SWHITENN@REACH.COM
+++++

```

===== Regarding =====

Date: Fri, 14 May 1993 16:14:17 +0800
 Hi Brendan,

> Greetings all,
 > I would be interested to hear what everyone on the list uses Real3D for...
 > And what people dont use it before because.... I would also like to know
 > which version people are using, or what product they are using currently.

1.54 item050

From pvdh@motship.hacktic.nl Sat May 15 13:42:29 1993
 Date: Fri, 14 May 93 17:32:06 CET
 In-Reply-To: <9305132156.AA28277@ad0.reach.com>
 (from swhitenn@reach.com (Shayne White -- ITAS - Boston))
 (at Fri, 14 May 1993 12:39:05 +0800)
 Reply-To: pvdh@motship.hacktic.nl
 From: pvdh@motship.hacktic.nl (Paul van der Heu)
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Tutorials

Hi Shayne (Shayne White -- ITAS - Boston), in <9305132156.AA28277@ad0.reach.com> ↵
 on May 14 you wrote:

> Has anyone written tutorials for R3D2?

Yes, they come with the program

--

Paul van der Heu, The MotherShip Connection running DLG BB/OS
 Home of cOmCoN Productions, Amiga Multimedia in a BIG way

FIDO - 2:280/207.0 , UUCP - pvdh@motship.hacktic.nl

AQUA BOOGIE BABY !! (Psycoalphadiscobetabioaquadolloop) - Parliament

1.55 item051

From swhitenn@reach.com Fri May 14 12:44:10 1993
Date: Fri, 14 May 93 16:44:10 EDT
From: swhitenn@reach.com (Shayne White -- ITAS - Boston)
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Tutorials

Reply --

Thorsten,

Yes, I am reading the tutorials from the manual now, and they are pretty useful. I was wondering if anyone had written any additional ones - Real3D has so many capabilities!!

Shayne

===== Regarding =====

Date: Sat, 15 May 1993 01:43:54 +0800
Hi Shayne,

>
> Has anyone written tutorials for R3D2?
>

1.56 item052

From nvukovlj@extro.ucc.su.OZ.AU Sat May 15 13:55:32 1993
Date: Sat, 15 May 1993 15:58:52 +1000
From: Nikola Vukovljak <nvukovlj@extro.ucc.su.OZ.AU>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Activa email address (fwd)

Re: ordering Real3D from NZ...

Real3D has a local distributor here in Australia - Color Comp. Systems. They want around A\$850 for the package.

You could call them if you want:
- 61 - 9- 345-3343 , or fax: 61-9-349-5155

Their address: 18 Appleby ST.
Balcatta
WA 6021
Australia

Nik.

nvukovlj@ucc.su.OZ.AU

P.S. I am in no way connected to them but know them as distributors.

1.57 item053

From swhitenn@reach.com Fri May 14 12:56:39 1993
Date: Fri, 14 May 93 16:56:39 EDT
From: swhitenn@reach.com (Shayne White -- ITAS - Boston)
id AA20055; Fri, 14 May 93 16:56:39 EDT
Subject: Retina support

Is a video driver for the Retina graphics board is still for
Real3D v2? I am thinking about getting one. How about Picasso,
or Merlin (or other boards as well..?). With my version 2.31,
there are drivers for Harlequinn and one other board I have not of
heard (I think it might be European...VD something??) Thanks!

```
+++++  
+ SHAYNE WHITE - STANDARD DISCLAIMER .... +  
+ THERE HAS NEVER BEEN A BLOODLESS REVOLUTION... MALCOLM X +  
+ SWHITENN@REACH.COM +  
+++++
```

1.58 item054

From nvukovlj@extro.ucc.su.OZ.AU Sat May 15 14:40:20 1993
Date: Sat, 15 May 1993 15:44:28 +1000
From: Nikola Vukovljak <nvukovlj@extro.ucc.su.OZ.AU>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: rendering in Real3D 2.0

1.59 item055

From nvukovlj@extro.ucc.su.OZ.AU Sun May 16 13:44:44 1993
Date: Sun, 16 May 1993 03:44:44 +1000
From: Nikola Vukovljak <nvukovlj@extro.ucc.su.OZ.AU>
To: real3d@ucc.gu.uwa.edu.au
Subject: Real 3D object sites

Can anyone tell me where Real3D object sites may be ?

Also, is this mailing list being or going to be compiled into archives like the Imagine Mailing list?

I am a Co-ordinator of a Graphics Sig here in Australia and would like to be able to place archives of this list on our BBS. So is this being done?

Nik.

nvukovlj@ucc.su.OZ.AU

1.60 item056

From john@heights.demon.co.uk Fri May 14 09:34:51 1993

Date: Fri, 14 May 93 09:34:51 GMT

In-Reply-To: <9305132156.AA28277@ad0.reach.com>

(from Shayne White -- ITAS - Boston <swhitenn@reach.com>)

(at Fri, 14 May 1993 12:39:05 +0800)

Reply-To: john@heights.demon.co.uk

From: John Shiali <john@heights.demon.co.uk>

To: real3d@ucc.gu.uwa.edu.au

Subject: Re: Tutorials

Hi Shayne (Shayne White -- ITAS - Boston), on May 14 you wrote:

> Has anyone written tutorials for R3D2?

I would expect Andy Jones, moderator of the Real_3D Fido echo to write some in the future, which I will post, but as he is still waiting for his upgrade (as are we all in the UK) it may be some time before he gets started

John .. InterNet - john@heights.demon.co.uk

FidoNet - 2:253/510.9

1.61 item057

From john@heights.demon.co.uk Fri May 14 09:32:47 1993

Date: Fri, 14 May 93 09:32:47 GMT

In-Reply-To: <9305131102.AA005xl@motship.hacktic.nl>

(from Activa International <activa@motship.hacktic.nl>)

(at Fri, 14 May 1993 14:28:57 +0800)

Reply-To: john@heights.demon.co.uk

From: John Shiali <john@heights.demon.co.uk>

To: real3d@ucc.gu.uwa.edu.au

Subject: Re: Activa email address (fwd)

Hi Activa (Activa International), on May 14 you wrote:

> > BTW, one of they Activa guys in London for the Format Live show said

> > that you would be distributing the objects from their BBS onto the
> > internet - what sites will these be going on, and any chance of
> > announcements of filenames to look out for?
>
> Yes, I will create a BMS site here which will give you access to most files
> on the support BBS. Actually all but the ones which restricted access.

I'll expect an announcement then!

>
> The BBS and registration of your software is the only way to obtain updates
> and such from secured areas.

Why is this? What will be on the areas? I did log on directly to the BBS once
and register, but I would not do so regularly, as I can use internet
as a local call, rather than the necessary international call to phone
the BBS.

My software is registered, why won't I be able to access all
the areas via internet (like any "professional" comms setup)?
Could there not be some kind off password protected BMS session for
registered users? Otherwise, if this is part of registred users
support, I should expect Activa to let me use a method of support
which is cheaper for them (rather than sending out disks) and which
does not cost me over a pound a megabyte to download down an
international phone line - especially as the BBS already HAS internet
links, it would not be much trouble would it?

Otherwise this is just another example of great support - as long as
you live in Holland, Germany or the US, but useless if you live in
the UK...

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.62 item058

From john@heights.demon.co.uk Sun May 16 10:27:22 1993
Date: Sun, 16 May 93 10:27:22 GMT
In-Reply-To: <9305141238.aa09483@hubbub.westford.ccur.com>
 (from Mark Thompson <mark@westford.ccur.com>)
 (at Sat, 15 May 1993 00:38:57 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Pouring water (was Re: Questions about Real3D 2.0)

Hi Mark (Mark Thompson), on May 15 you wrote:

> > > What is going on here is the "liquid" object is being passed through a
> > > deformation path that is defined by the user.
> > Is there no way of programming this as a macro/texture and using it
> > again (somekind of randomising involved?) - does any software on any
> > platform support water type effects?

>
 > It occurs to me that what would have to be done is a fluid dynamics simulation
 > (VERY compute intensive) which would drive a volumetric or blobby particle
 > model. To my knowledge, outside of research using scientific visualization,
 > nothing like this exists.

Someone did mention to me that you have to make the object conform to
 a B-spline, and then simply twist and turn the B-spline down the
 pipe... (I obviously haven't tried this)

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.63 item059

From john@heights.demon.co.uk Sun May 16 10:24:49 1993
 Date: Sun, 16 May 93 10:24:49 GMT
 In-Reply-To: <9305140909.AA27382@gserv1>
 (from "G.Coulter" <G.Coulter@uk.ac.daresbury>)
 (at Fri, 14 May 1993 18:52:28 +0800)
 Reply-To: john@heights.demon.co.uk
 From: John Shiali <john@heights.demon.co.uk>
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Software Failure running TurboReal:

Hi G.Coulter (G.Coulter), on May 14 you wrote:

> real, especially running on a 040 is out & out. Like you say if
 > its optomized for the 030 then a few problems are to be expected.
 > I also heard that Real3D 1.4 & 1.41 crash if you try to render
 > certain combinations of glass, with intersection solid objects.
 > The main thing that I wanted to check is that the machine is OK
 > I think that it is otherwise it would crash when you loaded real
 > from its icon as well, it must just be some 040 incompatability
 > problem that is a side effect of loading from an animation icon.

I remember what this problem is now, as I always used to get a crash
 when I tried to finish off a particular type of tubular object in a
 certain way - you have to make sure you have a bigger stack (at least
 50000) and my crash problems went away - I now run it from a WB menu
 type program that sets a high stack first.

> > > SOFTWARE FAILURE
 > > > Error: 80000 000B
 > >
 > > Hmm, processor error, althoug I do remember having a similar problem
 > > at the same time on that scene with fragmemted memory - maybe a
 > > corrupt datafile?
 >
 > How do you find out what these error mean?

I have a little program that you type the numbers in and it tells you
 what they are, but I am not sure how relevent it is to the A4000 -
 either that or you buy the ROM Kernal Manuals!

> > > it in & testing it with all my software. I really just want
> > > to make sure that it is the software and not the machine.
> > > What do you think?

Definately the software.

> I can't see corrupt system files being the problem, this
> would cause real to fail both when loaded from its icon
> as well as an animation icon, Just maybe loading from the
> animation icon sets real up in a slightly different way,
> Maybe this is a bug in 1.4 which was fixed in 1.41? Like
> I said at the start my main concern is that the machine
> is OK.

See above - the icond doesn't set enough stack, but at least your cli
probably has a higher one, so seems to work better..

John .. InterNet - john@heights.demon.co.uk
FidoNet - 2:253/510.9

1.64 item060

From trb3@Ra.MsState.Edu Sun May 16 19:06:50 1993
Date: Mon, 17 May 1993 00:06:50 -0500
From: "Tony R. Boutwell" <trb3@Ra.MsState.Edu>
Subject: ok...

ok...I am getting a 4000 in 2 days... I have a 486-dx 50 right now and am
using 3D Studio for the ibm.

I am looking for a great renderer for the amiga and my choice is down to
2.... Real3D and Imagine.

Could someone please give me a run down on how they fair up.... I have
seen Imagine (for the pc) so... I know a little about it... So could
you tell me how it (Real3D) compares???

(This is not to start a renderer war... I just would like to know which
will be the best for me to buy...price really doesnt matter...just its
ability to create realistic scenes...how good is the modeler....how
fast can it renderer....you know the regular stuff.)

Thanks for your help.

trb3@ra.msstate.edu

1.65 item061

From brendan@ucc.gu.uwa.edu.au Mon May 17 17:00:57 1993
Date: Mon, 17 May 93 10:02:09 BST
From: "G.Coulter" <G.Coulter@uk.ac.daresbury>
To: brendan@gu.uwa.edu.au
Subject: Stack size for Real3D *-John.S-*
Sender: brendan@ucc.gu.uwa.edu.au

-real3d-

Hi John:

> I remember what this problem is now, as I always used to get a crash
> when I tried to finish off a particular type of tubular object in a
> certain way - you have to make sure you have a bigger stack (at least
> 50000) and my crash problems went away - I now run it from a WB menu
> type program that sets a high stack first.
> See above - the icond doesn't set enough stack, but at least your cli
> probably has a higher one, so seems to work better..

Thanks for the info, whats the best way to set the stack?
Do I have to set it each time I load Real3D , or is it just
an option that you can set either on the icon or from within
the program? If you can set it from the SHELL then I guess that
I could just write a script first to setup the stack and then to
run Real3D .

At the moment I am loading real from its icon, you know the one
that has the cube that moves when you press it. I am not using
the CLI, just two icons, I guess that Real3D when called from its
ICON could use the default stack size, and when its called from
the "CandleScene" ICON it simply sets something up which is a
lot smaller.

I guess that there must be a way to set the stack size so that
when you click on Reals icon it reserves the correct amount of
stack. Any info on this would be great, I will however look
through the A4000 manuals tonight to see if I can find anything.

Thanks again John :-

PS Do you have any tips on rendering glass, I have been trying
to render a wine-glass this weekend, but have had a lot of
trouble getting the lighting right. I set the material up

```
Material Name : Glass
  Brilliance   : 100
Transparency  : 100
Speed of light: 70
Spec Bright   : 15
Specularity   : 10
```

I made the wine glass white with a slight bit of blue. But
When rendered it usually looked too dark. I finally got fed
up and put lots of lights round the glass but this just put
too much light on the scene. Any ideas John; and does the
material look about right?

-Gary- SERC Daresbury Laboratory.

>
>
> .. InterNet - john@heights.demon.co.uk
> FidoNet - 2:253/510.9
>

1.66 item062

From Peter.Sjostrom@ludd.luth.se Mon May 17 16:10:59 1993
From: Peter.Sjostrom@ludd.luth.se
Subject: Re: ok...
To: real3d@ucc.gu.uwa.edu.au
Date: Mon, 17 May 1993 14:10:59 +0200 (MET DST)
In-Reply-To: <199305170506.AA11791@Ra.MsState.Edu> from "Tony R. Boutwell" at May ↵
17, 93 01:03:53 pm
Reply-To: Peter.Sjostrom@ludd.luth.se

Oops, this was meant to be a personal answer. I think Real3D 2.0 is the renderer to chose from those two. Imagine seems to have less support and might not cope with the competition. Lightwave is a good package but is only sold with the Toaster at 2400 USD. Caligari is also good, though.

/Peter

1.67 item063

From john@heights.demon.co.uk Mon May 17 10:18:03 1993
Date: Mon, 17 May 93 10:18:03 GMT
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
Subject: Bugs in 2.30

Several bugs have been reported in this version (and reported back to Aactiva). When will these bugs be fixed, and how is Aactiva going to distribute them (for free, I should think)?

John .. InterNet - john@heights.demon.co.uk
FidoNet - 2:253/510.9

1.68 item064

From trb3@Ra.MsState.Edu Mon May 17 04:09:06 1993
 Date: Mon, 17 May 1993 09:09:06 -0500
 From: "Tony R. Boutwell" <trb3@Ra.MsState.Edu>
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: ok...

is the 2.0 version out yet...and I heard it would retail for 1000?

sorry about the 20 questions....

trb3@ra.msstate.edu]

1.69 item065

From mark@westford.ccur.com Mon May 17 07:42:28 1993
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Pouring water (was Re: Questions about Real3D 2.0)
 In-Reply-To: Your message of Sun, 16 May 93 17:42:27 +0800.
 <9305161027.AA0053p@heights.demon.co.uk>
 Date: Mon, 17 May 93 11:42:28 EDT
 From: Mark Thompson <mark@westford.ccur.com>

I wrote:

>>It occurs to me that what would have to be done is a fluid dynamics simulation
 >>(VERY compute intensive) which would drive a volumetric or blobby particle
 >>model.

John wrote:

> Someone did mention to me that you have to make the object conform to
 > a B-spline, and then simply twist and turn the B-spline down the
 > pipe...

Right, thats how it is done in R3D. I was refering to a generalized water simulation that requires no setup for paths and twists. And since the compute power required for that kind of simulation is so high, it is not yet available in entertainment based 3D packages.

```
%~~~~~%
%      '      '      Mark Thompson      CONCURRENT COMPUTER  %
% ---* RADIANT *--- mark@westford.ccur.com      Principal Graphics  %
%      ' Image '      ...!uunet!masscomp!mark      Hardware Architect  %
%      Productions      (508)392-2480 (603)424-1829      & General Nuisance  %
%~~~~~%
```

1.70 item066

From swhitenn@reach.com Mon May 17 15:20:58 1993
 Date: Mon, 17 May 93 19:20:58 EDT
 From: swhitenn@reach.com (Shayne White -- BA/ITAS - Boston)
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: ok...

Reply --

The version is actually 2.31, it is out and I got it for \$500.

```
+++++
+  SHAYNE WHITE - STANDARD DISCLAIMER ....
+  THERE HAS NEVER BEEN A BLOODLESS REVOLUTION...  MALCOLM X +
+  SWHITENN@REACH.COM
+++++
```

===== Regarding =====

Date: Mon, 17 May 1993 22:07:19 +0800

is the 2.0 version out yet...and I heard it would retail for 1000?

sorry about the 20 questions....

trb3@ra.msstate.edu]

1.71 item067

From swhitenn@reach.com Mon May 17 15:27:50 1993

Date: Mon, 17 May 93 19:27:50 EDT

From: swhitenn@reach.com (Shayne White -- BA/ITAS - Boston)

To: real3d@ucc.gu.uwa.edu.au

Subject: ok...

Reply --

Having used both Imagine and Real3D 2, I'd say go with Real3D . It has a great (and VERY powerful) modeler and is pretty quick. It also has a lot of render options. Both have a learning curve, but Real3D allows you to tailor your environment to a higher degree than Imagine. Imagine has more support for 3rd Party objects, textures, etc. but then again Real3D 2 is a very new program. I'd say definitely go with Real3D if money isn't an issue (\$500 vs \$200). It is the better program.

```
+++++
+  SHAYNE WHITE - STANDARD DISCLAIMER ....
+  THERE HAS NEVER BEEN A BLOODLESS REVOLUTION...  MALCOLM X +
+  SWHITENN@REACH.COM
+++++
```

===== Regarding =====

Date: Mon, 17 May 1993 13:06:05 +0800

ok...I am getting a 4000 in 2 days... I have a 486-dx 50 right now and am using 3D Studio for the ibm.

I am looking for a great renderer for the amiga and my choice is down to 2.... Real3D and Imagine.

1.72 item068

From lee@auriga.rose.brandeis.edu Mon May 17 10:41:59 1993
 Date: Mon, 17 May 93 14:41:59 EDT
 From: charles lee <lee@auriga.rose.brandeis.edu>
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: ok...
 In-Reply-To: Your message of Mon, 17 May 1993 20:53:48 +0800

Peter,

>"Caligari is also good, though."

Just one thing about Caligari, IMHO. It is a piece of trash and the people who work at Octree are narrow minded. I've used Caligari 2 extensively and played around for hours with Caligari 24 and the Broadcast version at an Amiga store. It ranks low in rendering speed (fast rendering? a joke.) gobbles up TONS of memory for simple objects such as logos (A simple logo managed to somehow use up 10MB of contiguous RAM) low in FEATURES (oooh, and extruder and lathe.) and doesn't multitask (If I can't switch to Workbench, it is not multitasking.)

Sure the latest 24 and Pro version have the free form cage, but its poor brushmap support (No IFF import! only its proprietary .6rn, targa.) and lack of a decent point editing tool make it unusable by anyone who really wants to get things done.

The only nice thing is the interface. But Lightwave has an interface which is easily better. And Real3D I've customized to fit me like a glove.

Just wanted to tell people not to waste their hard earned money on Caligari; if you go to an Amiga show and find Octree software, try talking to them about features (I have a friend who worked there and to quote Roman Ormandy "Bump Mapping? Who needs bump mapping?")

Lightwave or Real3D . The only two options.

(All of this is IMHO! :)

```
o Charles Lee      //\\\\\\      :_____/\\_M_I_G_/\\_____: FocuS GraphicS  o
| ~~~~~          C o.o          :======: ~~~~~          |
| Fortress Amiga \\_/ -"AMIGA!" : Real 3D v.2.31 owner : 2D/3D Graphics |
o Brandeis University      :      Serial #A2000243      : 2D/3D Animation o
```

1.73 item069

From pvdh@motship.hacktic.nl Tue May 18 12:57:48 1993
Date: Mon, 17 May 93 16:13:32 CET
In-Reply-To: <9305140932.AA00535@heights.demon.co.uk>
(from John Shiali <john@heights.demon.co.uk>)
(at Sun, 16 May 1993 16:58:38 +0800)
Reply-To: pvdh@motship.hacktic.nl
From: pvdh@motship.hacktic.nl (Paul van der Heu)
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Aactiva email address (fwd)

Hi John (John Shiali), in <9305140932.AA00535@heights.demon.co.uk> on May 16 you ← wrote:

> Hi Aactiva (Aactiva International), on May 14 you wrote:
>
> I'll expect an announcement then!

Do not expect anything soon, it all depends on when we can reach an agreement with the organisation I am hooked into. As you might have noticed Aactiva is present as an account on my system, they do not have a usenet connection themselves. This is quite expensive in the netherlands (500-600 UKPounds a year just for the fees).

So we are trying to get something together, but it might take a while.

> > The BBS and registration of your software is the only way to obtain updates
> > and such from secured areas.
>
> Why is this? What will be on the areas? I did log on directly to the BBS once
> and register, but I would not do so regularly, as I can use internet
> as a local call, rather than the necessary international call to phone
> the BBS.

The reason is that there are FAR more people with modems then there are people with usenet access. And getting an update from the BBS still is a lot cheaper compared to expensive disk upgrades which would have to be between 30-50 US\$ to cover cost.

> My software is registered, why won't I be able to access all
> the areas via internet (like any "professional" comms setup)?

nowhere is said you have a right to internet access by owning a registered piece of software. Support is handled through the BBS and the fact activa is present on usenet is an added bonus. Don't think the whole world is on usenet, this is just a SMALL percentage.

> Could there not be some kind off password protected BMS session for
> registered users? Otherwise, if this is part of registred users
> support, I should expect Aactiva to let me use a method of support

no, updates can only be gotten online with the BBS.

> which is cheaper for them (rather than sending out disks) and which

usenet is a LOT more expensive compared to the BBS!!

> does not cost me over a pound a megabyte to download down an
> international phone line - especially as the BBS already HAS internet
> links, it would not be much trouble would it?

as said before the bbs has no internet links (yet).

the updates are approx 430K, with a 14k4 connect this takes around 5 minutes.
the cost would still be cheaper compared to getting a diskupgrade!

> Otherwise this is just another example of great support - as long as
> you live in Holland, Germany or the US, but useless if you live in
> the UK...

This I do not get, what's different for the UK??

--

Paul van der Heu, The MotherShip Connection running DLG BB/OS
Home of cOmCOn Productions, Amiga Multimedia in a BIG way
FIDO - 2:280/207.0 , UUCP - pvdh@motship.hacktic.nl

AQUA BOOGIE BABY !! (Psycoalphadiscobetabioaquadolloop) - Parliament

1.74 item070

From eha@zombie.oulu.fi Tue May 18 11:32:54 1993

From: eha@zombie.oulu.fi (Esa Haapaniemi)

Subject: Re: ok...

To: real3d@ucc.gu.uwa.edu.au

Date: Tue, 18 May 1993 08:32:54 +0300 (EET DST)

In-Reply-To: <199305171409.AA19938@Ra.MsState.Edu> from "Tony R. Boutwell" at May 17, 93 10:05:56 pm ↵

> is the 2.0 version out yet...

The 2.0 for Amiga, YES !

> and I heard it would retail for 1000?

Unixversion can be thhat, or perhaps more. Amigaversion is available
with 600 \$ or less and Windows version might be some 800 \$. This
last price is just a guess.

> sorry about the 20 questions.....

They didn't trouble me, though I didn't use time to reply them.

> trb3@ra.msstate.edu]

Esa Haapaniemi eha@phoenix.oulu.fi

1.75 item071

From wisdom!dweyr!sauron@fdurt1.fdu.edu Thu May 13 12:55:50 1993
Date: Thu, 13 May 93 17:55:50 EST
Reply-To: sauron@dweyr.wisdom.bubble.org
From: sauron@dweyr.wisdom.bubble.org (Ronald A Stanions)
To: real3d@ucc.gu.uwa.edu.au
Subject: R3d-2.0 questions

I just received my copy of Real3D 2.0 the other day. The program is nothing ←
short
of phenomenal! This is going to take months to learn.

This is the first time I've ever used a maillist server, so if I'm doing this
wrong, don't yell TOO loudly! }-)

Ok, some questions:

1) The manual says you can use the <Help> key to 'flash' the selected objects, so
that you can find them easily. However, the help key has been changed to load an
AmigaGuide help document.

What happened to the 'flash' ability?

2) The program only seems to support Ham-8 if you open an 8-plane HAM screen
and render to it that way. The render menu only allows for HAM or Greyscale
rendering directly, and I can't get a Ham-8 screen to render without a LOT of
artifacting and jaggies in the process. Currently, this leaves me little choice
but to render IFF-24 pics and remap them using another package.

Is there something I'm missing? Or is there a planned 'external' driver to
allow us to open a ham-8 screen and do a direct render to it, without the
artifacting that seems to be unavoidable on an opened Ham-8 screen?

3) If I open a hi-res Ham-8 screen with a borderless window, and then open another
5-plane screen and put tools, view, select, etc... on it, and then open the
measuring window, it ALWAYS opens on the ham-8 screen, no matter what I do. I've
tried setting public and hijack off on the ham-8 screen, and on on the 5-plane
screen, and also to make the 5-plane screen the default screen, and it STILL
keeps opening up on the ham-8 screen, no matter which screen is frontmost. I have
to close the ham-8 screen to get the measuring window to open up on my work screen ←
.

Furthermore, if I then open a ham-8 screen again, and put a borderless window on
it, and then close that same screen, the measuring window goes away from the
5-plane screen!

Is this a bug? or did I miss something else in the docs?

4) every so often, I close a screen, and it doesn't go away, but it's titlebar
name changes from Real (or Real.1 ...) to .eal (or .eal.1 ...)

Is this a bug?

That's enough questions for the first two hours of experimentation. }-)

Ron Stanions -- DragonSoft Development sauron@dweyr.wisdom.bubble.org
The Dragon's Weyr BBS -- Livingston, NJ sauron@wisdom.bubble.org

1.76 item072

From Peter.Sjostrom@ludd.luth.se Tue May 18 13:19:18 1993
From: Peter.Sjostrom@ludd.luth.se
Subject: Re: ok...
To: real3d@ucc.gu.uwa.edu.au
Date: Tue, 18 May 1993 11:19:18 +0200 (MET DST)
In-Reply-To: <9305172327.AA10191@cll..reach> from "Shayne White -- BA/ITAS - ←
Boston" at May 18, 93 12:44:10 pm
Reply-To: Peter.Sjostrom@ludd.luth.se

> textures, etc. but then again Real3D 2 is a very new program. I'd
> say definitely go with Real3D if money isn't an issue (\$500 vs
> \$200). It is the better program.

Okay, I've different prices for Real3D 2.0. It's 399 USD from Creative Computing, USA. It's 2500 FIM from WestCom in Finland. I think it is 319 UK pounds in UK from Activa(?).

/Peter

1.77 item073

From dino@alex.com Tue May 18 17:46:41 1993
Date: Tue, 18 May 93 10:43:34 BST
From: Dino Fancellu <dino@alex.com>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Activa email address (fwd)

> From: Paul van der Heu <pvdh@motship.hacktic.nl>

> the updates are approx 430K, with a 14k4 connect this takes around 5 minutes.
> the cost would still be cheaper compared to getting a diskupgrade!
>

Also as Real3D 2.xx seems rather bugged at the moment we would expect to get FREE upgrades to a workable version. That is what people buy professional software at professional prices for.

What about patch files? Also can the upgrades be distributed freely? Without a dongle they are useless, are they not?

Dino.

1.78 item074

From dt92haag@bill.forsmark.uu.se Tue May 18 14:00:38 1993
Date: Tue, 18 May 1993 12:00:38 +0200
From: Hakan Agren <Hakan.Agren@bill.forsmark.uu.se>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Pouring water (was Re: Questions about Real3D 2.0)

Reply to Mark Thompson concerning pouring water simulation.

Mark wrote:

>>It occurs to me that what would have to be done is a fluid dynamics simulation
>>(VERY compute intensive) which would drive a volumetric or blobby particle
>>model.

John wrote:

> Someone did mention to me that you have to make the object conform to
> a B-spline, and then simply twist and turn the B-spline down the
> pipe...

Mark wrote:

> Right, thats how it is done in R3D. I was refering to a generalized water
> simulation that requires no setup for paths and twists. And since the compute
> power required for that kind of simulation is so high, it is not yet available
> in entertainment based 3D packages.

Reply:

Personally I wouldn't call Real3D an entertainment based 3D package. Maybe you can say that version 1.x was, but v2 is much to complex and expensive to be called entertainment. I agree that the computer power of the Amiga is insufficient when such simulations are concerned, but I've heard that they are about to port it to a silicon graphics machine, and that is completely different. Probably pouring water will still not be included, but the entertainment stamp will definately be removed.

Haakan Aagren (computer student, Sweden)

1.79 item075

From trb3@Ra.MsState.Edu Tue May 18 04:40:08 1993
Date: Tue, 18 May 1993 09:40:08 -0500
From: "Tony R. Boutwell" <trb3@Ra.MsState.Edu>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: ok...

which would be best to get with Real3D ...the amiga version or the windows version...?

I have a 486-DX 50 18megs
and a 4000 '040 18megs

reply trb3@ra.msstate.edu

1.80 item076

From john@heights.demon.co.uk Tue May 18 08:28:37 1993
Date: Tue, 18 May 93 08:28:37 GMT
In-Reply-To: <199305171409.AA19938@Ra.MsState.Edu>
(from "Tony R. Boutwell" <trb3@ra.msstate.edu>)
(at Mon, 17 May 1993 22:07:19 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: ok...

Hi Tony (Tony R. Boutwell), on May 17 you wrote:

> is the 2.0 version out yet...and I heard it would retail for 1000?
>
> sorry about the 20 questions....

It's out everywhere (except the UK) - it's about 400 USD / 400 GBP

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.81 item077

From john@heights.demon.co.uk Tue May 18 08:26:59 1993
Date: Tue, 18 May 93 08:26:59 GMT
In-Reply-To: <9305170902.AA15840@gserv1>
(from "G.Coulter" <G.Coulter@uk.ac.daresbury>)
(at Mon, 17 May 1993 20:46:26 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Stack size for Real3D *-John.S-*

Hi G.Coulter (G.Coulter), on May 17 you wrote:

> I guess that there must be a way to set the stack size so that
> when you click on Reals icon it reserves the correct amount of
> stack. Any info on this would be great, I will however look
> through the A4000 manuals tonight to see if I can find anything.
>

I should think it can be done through the icon, or the way I would do
it is to change the icon to PROJECT from the info menu, then change
the name (umm "START_R3D.icon") and make the default tool c:iconx. Then you
make text file in the same directory called START_R3D that is just a
text file..

stack 50000
run Real3D

.. and that's it. Someone probably has a more elegant solution

```
> PS Do you have any tips on rendering glass, I have been trying
> to render a wine-glass this weekend, but have had a lot of
> trouble getting the lighting right. I set the material up
>
> Material Name : Glass
> Brilliance    : 100
> Transparency  : 100
> Speed of light: 70
> Spec Bright   : 15
> Specularity   : 10
>
> I made the wine glass white with a slight bit of blue. But
> When rendered it usually looked too dark. I finally got fed
> up and put lots of lights round the glass but this just put
> too much light on the scene. Any ideas John; and does the
> material look about right?
```

Yeah, you could make it ever so slightly turbid to show that there is something there to hit the light (like laser beams only show in smokey rooms)

Don't forget that with glassy objects, you may want to increase the recursion depth on the SOLID screen, as it sounds like your lightrays may be stopping before they have properly illuminated the glass.

What happens if you make the light source brighter from the INFO menu?

John .. InterNet - john@heights.demon.co.uk
FidoNet - 2:253/510.9

1.82 item078

From john@heights.demon.co.uk Tue May 18 08:51:43 1993
Date: Tue, 18 May 93 08:51:43 GMT
In-Reply-To: <9305171513.AA0068e@motship.hacktic.nl>
(from Paul van der Heu <pvdh@motship.hacktic.nl>)
(at Tue, 18 May 1993 12:59:53 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Aactiva email address (fwd)

Hi Paul (Paul van der Heu), on May 18 you wrote:

```
> Do not expect anything soon, it all depends on when we can reach an agreement
> with the organisation I am hooked into. As you might have noticed Aactiva is
> present as an account on my system, they do not have a usenet connection
> themselves. This is quite expensive in the netherlands (500-600 UKPounds a year
> just for the fees).
```

Don't you pay for links to a machine? The number of accounts shouldn't make any difference (It doesn't here)

```
> The reason is that there are FAR more people with modems than there are people
```

> with usenet access. And getting an update from the BBS still is a lot cheaper

Don't we pay for support in the price of a professional program? If the BBS is already on Usenet, then it can't be too difficult, or are they actually separate machines on different sites?

> compared to expensive disk upgrades which would have to be between 30-50 US\$
> to cover cost.

Cheaper for Aactiva, very expensive for foreign users!

> nowhere is said you have a right to internet access by owning a registered
> piece of software. Support is handled through the BBS and the fact activa
> is present on usenet is an added bonus. Don't think the whole world is on
> usenet, this is just a SMALL percentage.

But if you *already* have usenet links (see above)...

> > which is cheaper for them (rather than sending out disks) and which
>
> usenet is a LOT more expensive compared to the BBS!!

Only for Aactiva.... (it only cost's me 10 GBP per month for an internet node)

> the updates are approx 430K, with a 14k4 connect this takes around 5 minutes.
> the cost would still be cheaper compared to getting a diskupgrade!
>

I have had much trouble connecting to the BBS, and a five minute offpeak call would cost about 7 pounds - it should be much cheaper for Aactiva to post me out a disk (about 1-2 pounds including disk), but then of course I would be paying a 3 times bigger bill and they would be paying nothing if I called the BBS - and that's assuming I could connect properly first time (which I have not been able too)

> > Otherwise this is just another example of great support - as long as
> > you live in Holland, Germany or the US, but useless if you live in
> > the UK...

> This I do not get, what's different for the UK??

No distributor in the UK offers online support or upgrades that I am aware of, which is different from the US or Canada ie, every registered owner of REAL is forced to extremely high British Telecom charges (the highest in the world) to call long distance to the unreliable connects of the Aactiva BBS.

You wouldn't believe the trouble I had getting the Aactiva phone number

1.83 item079

from them to call and pay for my upgrade (which I still haven't received after four weeks)

And what if people don't have modems? For all that you know, I am writing this from my internet machine at work.. Will we not be getting the same level of support as offered by ASDG and Virtual Reality Labs in the US where users have simply had upgrade disks arriving through their door as soon as upgrades have been released?

Okay, it costs money, but that's how you get a reputation for good and reliable support that keeps customers and gets you recommended to others...

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.84 item080

From Peter.Sjostrom@ludd.luth.se Wed May 19 00:55:49 1993
From: Peter.Sjostrom@ludd.luth.se
Subject: Re: ok...
To: real3d@ucc.gu.uwa.edu.au
Date: Tue, 18 May 1993 22:55:49 +0200 (MET DST)
In-Reply-To: <199305181440.AA05495@Ra.MsState.Edu> from "Tony R. Boutwell" at May 18, 93 10:37:01 pm ↵
Reply-To: Peter.Sjostrom@ludd.luth.se

>
> which would be best to get with Real3D ...the amiga version or the
> windows version...?
>
> I have a 486-DX 50 18megs
> and a 4000 '040 18megs

The 040 version runs faster than on a DX2-66 due to the optimization.
Remeber that the Windows version is a port.

/Peter

1.85 item081

From john@heights.demon.co.uk Tue May 18 17:32:39 1993
Date: Tue, 18 May 93 17:32:39 GMT
In-Reply-To: <9305180943.AA05612@woody.alex.com>
 (from Dino Fancellu <dino@alex.com>)
 (at Tue, 18 May 1993 17:48:36 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Activa email address (fwd)

Hi Dino (Dino Fancellu), on May 18 you wrote:

> > From: Paul van der Heu <pvdh@motship.hacktic.nl>

>
> > the updates are approx 430K, with a 14k4 connect this takes around 5 minutes.
> > the cost would still be cheaper compared to getting a diskupgrade!
> >
>
> Also as Real3D 2.xx seems rather bugged at the moment we would expect
> to get FREE upgrades to a workable version. That is what people buy
> professional software at professional prices for.

Hear, hear - we pay professional prices and expect professional support, no matter where we live...

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.86 item082

From john@heights.demon.co.uk Tue May 18 17:34:06 1993
Date: Tue, 18 May 93 17:34:06 GMT
In-Reply-To: <199305181440.AA05495@Ra.MsState.Edu>
 (from "Tony R. Boutwell" <trb3@ra.msstate.edu>)
 (at Tue, 18 May 1993 22:39:06 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: ok...

Hi Tony (Tony R. Boutwell), on May 18 you wrote:

>
> which would be best to get with Real3D ...the amiga version or the
> windows version...?

Amiga version - Windows version is twice the price, half as fast, and does not have the trick interface - it is also not yet available

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.87 item083

From switenn@reach.com Tue May 18 14:40:05 1993
Date: Tue, 18 May 93 18:40:05 EDT
From: switenn@reach.com (Shayne White -- BA/ITAS - Boston)
Subject: version
Apparently-

To: Real 3D post <X400>
 (s=real3d@gu.uwa.edu.au/g=/a=internet/p=/o=/ou=/d=/c=)

What is the current version of Real3D ? I have 2.31. If I'm going to be calling Finland I want to know things like this... :)

```
+++++
+  SHAYNE WHITE - STANDARD DISCLAIMER ....
+  THERE HAS NEVER BEEN A BLOODLESS REVOLUTION... MALCOLM X +
+  SWHITENN@REACH.COM
+++++
```

1.88 item084

From swhitenn@reach.com Tue May 18 14:30:05 1993
 Date: Tue, 18 May 93 18:30:05 EDT
 From: swhitenn@reach.com (Shayne White -- BA/ITAS - Boston)
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: ok...

Reply --

Chrales,

I noticed that you go to Brandeis. I live in the Boston area too, and I'm very interested in Amiga 3D. I just bought Real3D version 2 and I love it. I was wondering what type of graphics work you do?

```
+++++
+  SHAYNE WHITE - STANDARD DISCLAIMER ....
+  THERE HAS NEVER BEEN A BLOODLESS REVOLUTION... MALCOLM X +
+  SWHITENN@REACH.COM
+++++
```

===== Regarding =====

Date: Tue, 18 May 1993 12:48:37 +0800
 Peter,

>"Caligari is also good, though."

Just one thing about Caligari, IMHO. It is a piece of trash and the people who work at Octree are narrow minded. I've used Caligari 2

1.89 item085

From swhitenn@reach.com Tue May 18 14:24:50 1993
 Date: Tue, 18 May 93 18:24:50 EDT
 From: swhitenn@reach.com (Shayne White -- BA/ITAS - Boston)
 To: real3d@ucc.gu.uwa.edu.au
 Subject: R3d-2.0 questions

Reply --

I don't AGA yet :< so I don't know about the HAM-8 screens, but your last question (closing one screen, and having the name changed sounds like you unknowingly had 2 screens open, Real and Real.1 (Real3D numbers them like this).

```

+++++
+  SHAYNE WHITE - STANDARD DISCLAIMER ....
+  THERE HAS NEVER BEEN A BLOODLESS REVOLUTION... MALCOLM X +
+  SWHITENN@REACH.COM
+++++

```

===== Regarding =====

Date: Tue, 18 May 1993 14:00:31 +0800
 I just received my copy of Real3D 2.0 the other day. The program is nothing ↵
 short
 of phenomenal! This is going to take months to learn.

This is the first time I've ever used a maillist server, so if I'm doing this wrong, don't yell TOO loudly! }-)

1.90 item086

From swhitenn@reach.com Tue May 18 14:45:39 1993
 Date: Tue, 18 May 93 18:45:39 EDT
 From: swhitenn@reach.com (Shayne White -- BA/ITAS - Boston)
 Subject: Retina support
 Apparently-

To: Real 3D post <X400>
 (s=real3d@gu.uwa.edu.au/g=/a=internet/p=/o=/ou=/d=/c=)

Is there planned support for the Retina board with Real3D ? A driver shouldn't be too hard to make....
 When/if a driver is made, would it be possible to open up a working screen on the Retina? My trusty A2000 and 640x200 with 16 colors doesn't quite cut it anymore. Which brings up another, slightly off-topic question. If I want AGA graphics in the near future, should I get a Retina for my 2000 or buy a 1200 and the GVP 40 Mhz accelerator.... Any suggestions/experiences would be

much appreciated and could be send to me personally to avoid
another 'this topic belongs XXXXX not XXXXX' discussion... :)

```
+++++
+  SHAYNE WHITE - STANDARD DISCLAIMER ....
+  THERE HAS NEVER BEEN A BLOODLESS REVOLUTION...  MALCOLM X +
+  SWHITENN@REACH.COM
+++++
```

1.91 item087

From lee@auriga.rose.brandeis.edu Tue May 18 19:28:22 1993
Date: Tue, 18 May 93 23:28:22 -0400
From: lee@auriga.rose.brandeis.edu (charles lee)
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: ok...

Shayne,

1) You misspelled my name :)

Anyways, I'm working on various converters to change pdb, frodo, and
other file formats to Real3D splines, rounded circulars, etc.
(pdb = protein databank frodo = x-ray crystallography format)

I basically flipped to the back of the manual and started hacking
away usinbg rpl :) I'm going to get around to using Real3D for the
purpose for which I bought it: Converting my 2D art to 3D.

(BTW, Imagine has been relegated to compressed .lha now... seldom
to be used again.) :)

-Charles Lee
The Supreme Martyr
lee@auriga.rose.brandeis.edu

1.92 item088

From hrmitter@cip.e-technik.uni-erlangen.de Wed May 19 16:08:05 1993
From: Holger Mitterwald <hrmitter@cip.e-technik.uni-erlangen.de>
Subject: Re: ok...
To: real3d@ucc.gu.uwa.edu.au
Date: Wed, 19 May 93 10:11:01 MSZ
In-Reply-To: <CMM.0.90.2.737664119.lee@auriga.rose.brandeis.edu>; from "charles lee" at May 18, 93 12:47 (noon)

>
> Peter,
>

> >"Caligari is also good, though."
>

> Just one thing about Caligari, IMHO. It is a piece of trash and the
> people who work at Octree are narrow minded. I've used Caligari 2

You can not compare Caligary with programs like Imagine or Real3D . Caligary has ←
other features
which are very useful for making fast animations (I mean you can calculate the ←
anims very fast).

As a gui from the german distributor told me Caligary is not a renderer at all. It ←
does no
raytracing, but scanlining. That means it is not able to render glass or mirrors. ←
But he showed
me how to work with it - great.

I bought a demo-video cassette with several commercial animations (e.g. for ←
Visacard).
great!

You mean what am I doing then on the R3D Mailing-list?
Well, I have R3D, because it is still better for me than Caligary or any other ←
raytracer.
And I want this nice mirroring glass spheres :-)

Oh, a question: I bought R3D classic on a german show directly from Activa. Now I ←
think of
upgrading to version 2.xx.
Has anybody did this before? Do I have to write to Activa or to any of the german ←
distributors?
(oeh... who is the german distributor at all??)

So long,
Holger

1.93 item089

From hrmitter@cip.e-technik.uni-erlangen.de Wed May 19 16:21:09 1993
From: Holger Mitterwald <hrmitter@cip.e-technik.uni-erlangen.de>
Subject: Re: Activa email address (fwd)
To: real3d@ucc.gu.uwa.edu.au
Date: Wed, 19 May 93 10:22:41 MSZ
In-Reply-To: <9305171513.AA0068e@motship.hacktic.nl>; from "Paul van der Heu" at ←
May 18, 93 12:58 (noon)

>
> Hi John (John Shiali), in <9305140932.AA00535@heights.demon.co.uk> on May 16 you ←
wrote:
>
> The reason is that there are FAR more people with modems then there are people
> with usenet access. And getting an update from the BBS still is a lot cheaper
> compared to expensive disk upgrades which would have to be between 30-50 US\$
> to cover cost.
Oh, I am not so sure.... many students DO have usenet account, but no modem!
And more and more BBSs get Usenet access.

You are right that getting the software from the BBS is cheaper than sending disks ←
- but only as
long as you don't have to call from an other country. If you have to do this you ←
have to
pay quite a lot for the connection. Then you very seldom get data-rates of 14400 ←
bps. Mostly
you can be happy to get 800bps. (I had to call a BBS in USA several times, because ←
the
data-rate was lower than 300bps and the file was 500k!)

> usenet is a LOT more expensive compared to the BBS!!
This depends on where you live and where you have usenet-access.

> the updates are approx 430K, with a 14k4 connect this takes around 5 minutes.
> the cost would still be cheaper compared to getting a diskupgrade!
As long as you have got a VERY good connection.

> > Otherwise this is just another example of great support - as long as
> > you live in Holland, Germany or the US, but useless if you live in
> > the UK...
ups. are there already BBSs in germany to support R3D?

So long,
Holger

1.94 item090

From hrmitter@cip.e-technik.uni-erlangen.de Wed May 19 16:30:51 1993
From: Holger Mitterwald <hrmitter@cip.e-technik.uni-erlangen.de>
Subject: Re: Retina support
To: real3d@ucc.gu.uwa.edu.au
Date: Wed, 19 May 93 10:33:55 MSZ
In-Reply-To: <9305182245.AA27130@oldhms.reach.com>; from "Shayne White -- BA/ITAS ←
- Boston" at May 19, 93 8:01 am

> Is there planned support for the Retina board with Real3D ? A
> driver shouldn't be too hard to make....

I have heard that the Retina is already delivered with drivers for several ←
programs
(like AD Pro, Imagine, and as far as I know also for R3D)

This information is quite old, is anybody able to check this out?

So long,
Holger

1.95 item091

From dt92alla@bill.forsmark.uu.se Wed May 19 12:53:56 1993
Date: Wed, 19 May 1993 10:53:56 +0200
From: Alexander Larsson <Alexander.Larsson@bill.forsmark.uu.se>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Stack size for Real3D *-Joh

> > I guess that there must be a way to set the stack size so that
> > when you click on Reals icon it reserves the correct amount of
> > stack. Any info on this would be great, I will however look
> > through the A4000 manuals tonight to see if I can find anything.
> >
>
> I should think it can be done through the icon, or the way I would do
> it is to change the icon to PROJECT from the info menu, then change
> the name (umm "START_R3D.icon") and make the default tool c:iconx. Then you
> make text file in the same directory called START_R3D that is just a
> text file..
>
> stack 50000
> run Real3D
>
> . and that's it. Someone probably has a more elegant solution
>
Why all this?
Just select the real icon, then select ICON - INFORMATION in the WB menu.
Then just change the stack size. (its a string gadget) and save.
Its as simple as that.

1.96 item092

From lee@auriga.rose.brandeis.edu Wed May 19 01:06:33 1993
Date: Wed, 19 May 93 05:06:33 -0400
From: lee@auriga.rose.brandeis.edu (charles lee)
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: ok...

> Caligari scanline.

Yes. I know this as well. I've known it for a long time, ever since Caligari was around in 1987 or so...

> Calculate the anims very fast.

Lightwave 2.0 is faster making the preview animation. And if you want to see how dog-slow Caligari is, make a ground plane, some complex objects and see how fast it goes....

BTW, I have a 18MB 28Mhz 040.... and it does not impress me. Neither does the Broadcast version.

> The demo tape.

The tape came with my Caligari 2. It is okay. Imagine would have a hard time

pulling that off; Lightwave could do it easily. I think that Real3D could do it just as easily (as soon as I get time to really work on the complex animation parts.)

Holger, if you ever meet the Octree group... try talking to Roman Ormandy about a bump map feature... good luck.

> Your upgrade question.

Best bet is to call Aactiva. I'm not exactly sure (as I own v.2.)

Later!

-Charles Lee
lee@auriga.rose.brandeis.edu

1.97 item093

From watters@cranel.com Wed May 19 06:25:54 1993
Date: Wed, 19 May 93 10:25:54 EDT
From: David Watters <watters@cranel.com>
To: real3d@ucc.gu.uwa.edu.au
Subject: Real3D vs. Caligari vs. others
Cc: imagine@email.sp.paramax.com, lightwave@bobsbox.rent.com

>You can not compare Caligary with programs like Imagine or Real3D .
>Caligary has other features which are very useful for making fast animations
>(I mean you can calculate the anims very fast).
>
>As a gui from the german distributor told me Caligary is not a renderer at all.
>It does no raytracing, but scanlining. That means it is not able to render
>glass or mirrors. But he showed me how to work with it - great.

How many times do we need to go through this???

Render != Raytrace

Raytracing means (very simplified) to reTRACE the RAYs of light that have propagated through a scene from a light source starting from the observer and working backwards.

Rendering means to generate a picture or image.

Raytracing IS Rendering, Rendering IS NOT necessarily raytracing.
Zbuffer, partial Zbuffer, scanline Zbuffer, painters, are all rendering algorithms as much as raytracing is.

Caligary and Lightwave are similar in their rendering techniques (ingnoring the fact that LW > 2.0 can raytrace reflections and refractions).
Imagine, Real3D, TurboSilver, Playmation, etc. are all similar in their rendering techniques in that their primary image rendering method is raytracing.

Caligary (and Lightwave) CAN and should be compared to programs like Imagine and Real3D because they are ALL renderers and, in this case, they are all

modeling, animation, rendering packages. They all serve the same purpose... to generate a computer image or animation.

With that in mind you will quickly see why the programs that raytrace start off the comparison with a significant disadvantage due to the cost that a raytracing algorithm has.

What does raytracing gain you? From a user point of view... true reflections and true refractions. If you don't need these... DON'T RAYTRACE.

>From the programmers point of view... everything. Raytracing is extremely easy to implement compared to a full featured solid model renderer.

IMHO Lightwave is the perfect of both worlds. It is a solid model renderer that has a large number of mapping techniques to allow you to simulate most real-world surfaces. If you want cheap reflections, use an environmental map or a pre-rendered brush map. However, if you would like to simulate accurate refractions and/or reflections, go ahead and turn raytracing on FOR ONLY those surfaces that are transparent and/or reflective.

> And I want this nice mirroring glass spheres :-)

<CLICHE' ALERT!> :)

```
David      ~  '  _ _ _  _
Watters    ~  \ _ -- ' | @, _ _
           ~  ( ) - _ _ _ _ - ( ) ` -
```

--

David R. Watters (watters@crael.com) Crael Inc. Development & Engineering
 "Porsche. The very name is, to many, the last word in sports cars. Any car
 blessed with these magic seven letters is sure to be the very best. Period!"
 - Car and Driver, January 1993

1.98 item094

From john@heights.demon.co.uk Wed May 19 15:50:11 1993
 Date: Wed, 19 May 93 15:50:11 GMT
 Reply-To: john@heights.demon.co.uk
 From: John Shiali <john@heights.demon.co.uk>
 Subject: R3D has arrived

Real3D v2.33b has begun arriving to the UK - two other upgraders from 1.42 have received their packages today - I suppose mine will arrive soon, although Activa tell me it was shipped only yesterday, despite me having paid for it well over a week ahead over the other two upgrades that arrived today... great customer service, eh?

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.99 item095

From john@heights.demon.co.uk Wed May 19 08:24:30 1993
Date: Wed, 19 May 93 08:24:30 GMT
In-Reply-To: <9305182240.AA27059@oldhms.reach.com>
(from Shayne White -- BA/ITAS - Boston <swhitenn@reach.com>)
(at Wed, 19 May 1993 07:54:00 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: version

Hi Shayne (Shayne White -- BA/ITAS - Boston), on May 19 you wrote:

> What is the current version of Real3D ? I have 2.31. If I'm going
> to be calling Finland I want to know things like this... :)

Suposedly 2.33b is shipping, though I'll belive it when it's here...

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.100 item096

From activa@motship.hacktic.nl Wed May 19 23:13:57 1993
for ucc.gu.uwa.edu.au!real3d
Date: Wed, 19 May 93 11:54:32 CET
In-Reply-To: <9305180851.AA0055s@heights.demon.co.uk>
(from John Shiali <john@heights.demon.co.uk>)
(at Wed, 19 May 1993 00:46:54 +0800)
Reply-To: activa@motship.hacktic.nl
From: activa@motship.hacktic.nl (Activa International)
To: real3d@ucc.gu.uwa.edu.au
Subject: Updates to Real3D V.2

This how updates for real are handled:

- You can call the BBS to get the latest update.
- You can send a letter, FAX or Email to activa stating:
 - Name
 - Address
 - Serialnumber
 - Real version number (current 2.33)

to receive a disk with the updated executables.

YOUR REGISTRATION CARD HAS TO BE RETURNED TO ACTIVA

TO BE ELIGABLE FOR THIS UPDATE SERVICE.

Address to send update requests to:

ACTIVA International
Keienbergweg 95
1101 GE Amsterdam
The Netherlands

Email : activa@motship.hacktic.nl

FAX : 31 (0)20 6911428

--

Activa International, Keienbergweg 95, 1101 GE Amsterdam, The Netherlands
Phone 31 (0)20 6911914, FAX 31 (0)20 6911428, BBS 31 (0)20 6971880
UUCP - activa@motship.hacktic.nl , FIDO 2:280/207.32

Once upon a time you could only Imagine, now it's time to get REAL

1.101 item097

From john@heights.demon.co.uk Wed May 19 15:58:20 1993
Date: Wed, 19 May 93 15:58:20 GMT
In-Reply-To: <9305190811.AA02562@cip.e-technik.uni-erlangen.de>
(from Holger Mitterwald <hrmitter@cip.e-technik.uni-erlangen.de>)
(at Wed, 19 May 1993 16:10:00 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: ok...

Hi Holger (Holger Mitterwald), on May 19 you wrote:

> Oh, a question: I bought R3D classic on a german show directly from Activa. Now ↵
I think of
> upgrading to version 2.xx.
> Has anybody did this before? Do I have to write to Activa or to any of the ↵
german distributors?
> (oeh... who is the german distributor at all??)

Activa are also the distributer in Germany (I think), and yes you should go
direct to them -

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.102 item098

From john@heights.demon.co.uk Wed May 19 16:01:27 1993
 Date: Wed, 19 May 93 16:01:27 GMT
 In-Reply-To: <199305190853.AA29091@bill.forsmark.uu.se>
 (from Alexander Larsson <Alexander.Larsson@bill.forsmark.uu.se>)
 (at Wed, 19 May 1993 16:51:46 +0800)
 Reply-To: john@heights.demon.co.uk
 From: John Shiali <john@heights.demon.co.uk>
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Stack size for Real3D *-Joh

Hi Alexander (Alexander Larsson), on May 19 you wrote:

> Why all this?
 > Just select the real icon, then select ICON - INFORMATION in the WB menu.
 > Then just change the stack size. (its a string gadget) and save.
 > Its as simple as that.

See? I told you someone would think of soemthing better (I couldn't be bothered to look up how to chages stacks on the icon...)

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.103 item099

From mark@westford.ccur.com Wed May 19 07:41:55 1993
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Pouring water (was Re: Questions about Real3D 2.0)
 In-Reply-To: Your message of Tue, 18 May 93 17:58:27 +0800.
 <199305181000.AA19563@bill.forsmark.uu.se>
 Date: Wed, 19 May 93 11:41:55 EDT
 From: Mark Thompson <mark@westford.ccur.com>

> Mark wrote:
 >>And since the compute
 >>power required for that kind of simulation is so high,it is not yet available
 >>in entertainment based 3D packages.

> Personally I wouldn't call Real3D an entertainment based 3D package.

Perhaps I used the wrong word or was unclear but what I meant by "entertainment based 3D packages" is any package used for the entertainment industry rather than simulation. There are quite a few very high end pieces of software that serve the entertainment industry: Prisms, Softimage, TDI, Alias, Wavefront, Vertigo, etc..... Remember, special effects for the motion picture industry is entertainment.

```
%~~~~~%
%      '      '      Mark Thompson      CONCURRENT COMPUTER  %
%  ----*  RADIANT  *---- mark@westford.ccur.com      Principal Graphics  %
%      ' Image '      ...!uunet!masscomp!mark      Hardware Architect  %
```

```
%      Productions      (508)392-2480 (603)424-1829    & General Nuisance    %
%
~~~~~
```

1.104 item100

```
From corwin@uni-paderborn.de Wed May 19 21:01:37 1993
From: Markus Stipp <corwin@uni-paderborn.de>
Subject: Re: Real3D vs. Caligari vs. others
To: watters@cranel.com (David Watters)
Date: Wed, 19 May 1993 19:01:37 +0200 (MET DST)
Cc: real3d@ucc.gu.uwa.edu.au, imagine@email.sp.paramax.com,
    lightwave@bobsbox.rent.com
In-Reply-To: <9305191425.AA00312@flash.cranel.com> from "David Watters" at May 19, ↵
    93 10:25:54 am
```

```
> How many times do we need to go through this???
>
> Render != Raytrace
```

Oh yes, I can tell stories about this. If I'm talking about rendering most people think I'm talking about raytracing. :-)

```
> IMHO Lightwave is the perfect of both worlds. It is a solid model renderer that
> has a large number of mapping techniques to allow you to simulate most real-
> world surfaces. If you want cheap reflections, use an environmental map or
> a pre-rendered brush map. However, if you would like to simulate accurate
> refractions and/or reflections, go ahead and turn raytracing on FOR ONLY those
> surfaces that are transparent and/or reflective.
```

I don't know much about Lightwave. I even never have seen it, perhaps because NewTeK thinks the whole world is working with the NTSC-TV-standard. Since three or four years they are telling me that the PAL version is ready "next" year. I think they would tell the people the same thing in ten years...

But my question is, can Lightwave do reas shadows ? I have seen a few Lightwave pictures (The great ones from Mark Thompson (Floaty, Store, and Furnace)). Especially the Floaty-picture looks so as if Floaty is flying above the screen. I think the cause for this are the missing shadows. (But I'm totally amazed by the light-effects in Furnace :-))

I really hope to see a PAL-Toaster soon :-)

--

...Markus Stipp !! (corwin@uni-paderborn.de)

1.105 item101

```
From Peter.Sjostrom@ludd.luth.se Wed May 19 21:23:34 1993
From: Peter.Sjostrom@ludd.luth.se
```

Subject: Re: Real3D vs. Caligari vs. others
 To: real3d@ucc.gu.uwa.edu.au
 Date: Wed, 19 May 1993 19:23:34 +0200 (MET DST)
 In-Reply-To: <199305191701.AA01383@rom.uni-paderborn.de> from "Markus Stipp" at ↵
 May 20, 93 01:11:00 am
 Reply-To: Peter.Sjostrom@ludd.luth.se

>
 > I don't know much about Lightwave. I even never have seen it, perhaps because
 > NewTeK thinks the whole world is working with the NTSC-TV-standard. Since three
 > or four years they are telling me that the PAL version is ready "next" year.
 > I think they would tell the people the same thing in ten years...

They told me in person at DevCon in January that "they want to become big in the US market first". I take that as there will be no PAL Toaster the next few years. (After that Opalvision will control Amiga desktop video outside the US :)

/Peter

1.106 item102

From mnemonic@netcom.com Wed May 19 05:25:13 1993
 From: mnemonic@netcom.com (Mnemonic)
 Subject: Re: Real3D vs. Caligari vs. others
 To: watters@cranel.com (David Watters)
 Date: Wed, 19 May 93 12:25:13 PDT
 Cc: real3d@ucc.gu.uwa.edu.au, imagine@email.sp.paramax.com,
 lightwave@bobsbox.rent.com
 In-Reply-To: <9305191425.AA00312@flash.cranel.com>; from "David Watters" at May ↵
 19, 93 10:25 am
 X-Mailer: ELM [version 2.3 PL11]

>
 > >You can not compare Caligary with programs like Imagine or Real3D .
 > >Caligary has other features which are very useful for making fast animations
 > >(I mean you can calculate the anims very fast).
 > >
 > >As a gui from the german distributor told me Caligary is not a renderer at all.
 > >It does no raytracing, but scanlining. That means it is not able to render
 > >glass or mirrors. But he showed me how to work with it - great.
 >
 > How many times do we need to go through this???
 >
 > Render != Raytrace
 >
 [Stuff deleted]

I guess according to this distributor, the renderer used for all the Listerine Commercials, T2, and the Abyss (Renderman/Reyes if you're wondering) is not really a renderer.

--

"My moral standing is lying down."
mnemonic@netcom.com

1.107 item103

From john@heights.demon.co.uk Wed May 19 20:18:16 1993
19 May 93 20:40 BST
Date: Wed, 19 May 93 20:18:16 GMT
In-Reply-To: <199305191701.AA01383@rom.uni-paderborn.de>
(from Markus Stipp <corwin@uni-paderborn.de>)
(at Thu, 20 May 1993 01:12:01 +0800)
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Real3D vs. Caligari vs. others

Hi Markus (Markus Stipp), on May 20 you wrote:

> I don't know much about Lightwave. I even never have seen it, perhaps because
> NewTeK thinks the whole world is working with the NTSC-TV-standard. Since three
> or four years they are telling me that the PAL version is ready "next" year.
> I think they would tell the people the same thing in ten years...
>
> I really hope to see a PAL-Toaster soon :-)

Don't think you will - friend of a friend who works for NewTek (names changed to protect the innocent) says that they will never make a PAL toaster because they are just making so much money hand over fist from the US market, they don't have to bother!

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.108 item104

From lee@auriga.rose.brandeis.edu Wed May 19 11:59:39 1993
Date: Wed, 19 May 93 15:59:39 EDT
From: charles lee <lee@auriga.rose.brandeis.edu>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: ok...
In-Reply-To: Your message of Wed, 19 May 1993 07:57:50 +0800

TO Shayne and others,

Well.... I'm working on transferring of pdb (protein databank) data to RPL format. I have a rudimentary version of my program that can do alpha carbons, residues structured as spheres, etc... I'm eventually going to get around to making a FULLY featured pdb converter for all of us structural biologists out there :)

I'm also going to be using Real3D to do graphics in an up-and-coming release for the 3DO platform.... look for it early next year. :)

-Chales Lee

```
o Charles Lee      /////\      :_____/\_M_I_G/_\_____: Focus GraphicS  o
| ~~~~~ C o.o      :======: ~~~~~ |
| Fortress Amiga \_/ -"AMIGA!" : Real 3D v.2.31 owner : 2D/3D Graphics |
o Brandeis University      :      Serial #A2000243      : 2D/3D Animation o
```

1.109 item105

From gfxbase!ebers@tmpmbx.netmbx.de Thu May 20 04:29:50 1993
 id <m0nvuvX-0008tJC>; Wed, 19 May 93 22:39 MET DST
 Date: Wed, 19 May 93 22:27:33 CET
 In-Reply-To: <9305182240.AA27059@oldhms.reach.com>
 (from swhitenn@reach.com (Shayne White -- BA/ITAS - Boston))
 (at Wed, 19 May 1993 07:53:01 +0800)
 From: ebers@gfxbase.in-berlin.de (Thorsten Ebers)
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: version

Hi Shayne,

```
>
>
> To: Real 3D post <X400>
> (s=real3d@gu.uwa.edu.au/g=/a=internet/p=/o=/ou=/d=/c=)
>
>
> What is the current version of Real3D ? I have 2.31. If I'm going
>
> my version is 2.30 and I am still waiting for latest release.
```

Thorsten

Thorsten Ebers e-mail: ebers@gfxbase.in-berlin.de

Tel.: +49 30 321 3428

1.110 item106

From amipb@amipb.gna.org Thu May 20 05:35:37 1993
 Date: Tue, 18 May 93 16:18:01 MET
 In-Reply-To: <9305140909.AA27382@gserv1>
 (from "G.Coulter" <uupsi!uk.ac.daresbury!G.Coulter@tfd.com>)
 (at Fri, 14 May 1993 02:50:10 -0800)
 From: amipb@amipb.gna.org (Philippe Berard)

To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Software Failure running TurboReal:

Hello G.Coulter (G.Coulter). On May 14, you have written :

```
> Hi :- John
>
> > About okay - could be fragmented memory or something running in the
> > background...
```

In fact, Guru #8000000B is a line-F emulation error : the processor has tried to pass the instruction to the co-processor(s) connected to it, and if none responded and the access is terminated with a bus error, the processor will go in the unimplemented instruction exception processing, and then fetch the line-F vector. It's a common way to emulate a Floating-Point processor (actually, that's the way the 68040.library uses to emulate the 68882 instruction set).

In your case, it seems that memory is trashed by something, maybe a stack too low in your icon, you should give it a try with a stack of at least 50,000.

```
> How do you find out what these error mean?
```

In the Includes exec/alerts.h and/or in the Rom Kernels.

```
> > Could be the program not handling the 040 (as it is the 030 optimised
> > version) or maybe corrupt system files - I had something similar -
```

The 68040 is, as far as I know, fully '030 compatible.

Hope this helps...

Regards,

-- Philippe

```
.-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
'-----
```

1.111 item107

From amipb@amipb.gna.org Thu May 20 05:35:45 1993
 Date: Tue, 18 May 93 13:24:38 MET
 In-Reply-To: <9305141238.aa09483@hubbub.westford.ccur.com>
 (from Mark Thompson <mark@westford.ccur.com>)
 (at Fri, 14 May 1993 08:37:18 -0800)
 From: amipb@amipb.gna.org (Philippe Berard)
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Pouring water (was Re: Questions about Real3D 2.0)

Hello Mark (Mark Thompson). On May 14, you have written :

> > Is there no way of programming this as a macro/texture and using it
 > > again (somekind of randomising involved?) - does any software on any
 > > platform support water type effects?
 >
 > It occurs to me that what would have to be done is a fluid dynamics simulation
 > (VERY compute intensive) which would drive a volumetric or blobby particle
 > model. To my knowledge, outside of research using scientific visualization,
 > nothing like this exists.

In fact, it should be quite interesting to have a "viscosity" setting for an object or a level of objects. This way, you could throw an object in this "heap" to see it deforming its shape, letting the object passing through. You could even throw these slimy objects in a tube and see it following the shape of the tube.

Of course, implementing this in Real3D would be quite difficult, and surely be harder than implementing friction was.

Regards,

-- Philippe

```

-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
'-----

```

1.112 item108

From amipb@amipb.gna.org Thu May 20 05:35:56 1993
 Date: Tue, 18 May 93 13:08:07 MET
 In-Reply-To: <9305140915.AA0056f@gfxbase.in-berlin.de>
 (from ebers@gfxbase.in-berlin.de.com (Thorsten Ebers))
 (at Fri, 14 May 1993 09:42:22 -0800)
 From: amipb@amipb.gna.org (Philippe Berard)
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Some impressions on Real3D 2.0 & Re: Tutorials

Hello Thorsten (Thorsten Ebers). On May 14, you have written :

> Hi Shayne,
 >
 > >
 > > Has anyone written tutorials for R3D2?
 > >
 >
 >
 > just read the manual.It is full of tutorial examples.

Won't it be good to create our own tutorials for this mailing-list ?
 I think that pouring water, even if it seems a little bit simple when
 you have a certain knowledge of Real3D , would be a good first example.

Some tutorials seem to not be complete, and I know of one (T 6.17.4)
 that crashes the machine if you follow exactly what's described. I

don't know if this is the case for you, but my machine (A2000 A2630 5 Megs) crashes when I try to define the velocity of the ball. If I first create the ball, define its velocity and create the tube, then there is no problems at all... :-(

BTW, I haven't seen any where that the directory r3d2:examples/animation contains all the tutorial scenes.

While I'm at it, have anyone tried to render the 2 glasses present on the package ? It took me more than 2 hours on an A4000/040 10 Megs to render it at a 736x580 resolution and I've re-done this scene under Imagine with full anti-aliasing (EDLE at 0), Raytrace, a reflective ground and a rotation subdivision of 50 for each glass, and it took me only 30 minutes to render on my A2000 '030...

Well, too much for the bad news, Real3D 2.0 is really great for realistic renderings and animations, and is even better for the programmer/scientific.

Regards,

-- Philippe

```
-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
-----
```

1.113 item109

From kholland@chicoma.lanl.gov Wed May 19 17:31:09 1993
Date: Wed, 19 May 93 23:31:09 -0600
From: kholland@chicoma.lanl.gov (AIDE Kiernan)
To: mnemonic@netcom.com, watters@crael.com
Subject: Re: Real3D vs. Caligari vs. others
Cc: imagine@email.sp.paramax.com, lightwave@bobsbox.rent.com,
real3d@ucc.gu.uwa.edu.au

You mean Renderman is not a ray-tracer... It uses shaders to create its images. A friend told me how shaders work generally and how they are used.

I don't think Renderman ray-traces 100%... Then again, all ray-tracing programs (except for some very slow ones) are not real ray-tracing programs because they use tricks to speed up the process. A common one is terminating a RAY that comes from (or rather goes to, if you want to think about it that way) the sky rather than tracing it through the atmosphere until it reaches the sky.

1.114 item110

From G.Coulter@daresbury.ac.uk Thu May 20 15:08:38 1993
Via: uk.ac.daresbury.dlgm; Thu, 20 May 1993 07:43:45 +0100

Date: Thu, 20 May 93 07:42:27 BST
From: "G.Coulter" <G.Coulter@daresbury.ac.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Stack size for Real3D *-Joh

> From POSTMASTER@uk.ac.daresbury.dlgm Wed May 19 16:34:16 1993
> Date: Wed, 19 May 1993 23:22:50 +0800
> Reply-To: real3d@au.edu.uwa.gu.ucc
> Originator: real3d
> Original-Sender: real3d@au.edu.uwa.gu.ucc
> From: John Shiali <john@uk.co.demon.heights>
> To: Multiple recipients of list <real3d@au.edu.uwa.gu.ucc>
> Subject: Re: Stack size for Real3D *-Joh
> X-Listserver-Version: 6.0 -- UNIX ListServer by Anastasios Kotsikonas
> Sender: real3d@au.edu.uwa.gu.ucc
> >
> *-real3d-*
> > Why all this?
> > Just select the real icon, then select ICON - INFORMATION in the WB menu.
> > Then just change the stack size. (its a string gadget) and save.
> > Its as simple as that.
> >
> See? I told you someone would think of soemthing better (I coulnd't be
> bothered to look up how to chages stacks on the icon...)

John & Alexander, thanks for the info regarding the
stack size, I modified the stack size re-ran Real3D
and everything ran fine. I set the stack to 50000,
does it really need to be any higher, ie for rendering
glass I have 16MB of RAM: so what is a good all round
stack size.

Thanks agaijn for the help.

-Gary- SERC Daresbury.

1.115 item111

From sking@cis.ohio-state.edu Thu May 20 09:32:12 1993
From: scott a king <sking@cis.ohio-state.edu>
Subject: Re: Real3D vs. Caligari vs. others
To: imagine@email.sp.paramax.com, lightwave@bobsbox.rent.com,
real3d@ucc.gu.uwa.edu.au
Date: Thu, 20 May 93 13:32:12 EDT
X-Mailer: ELM [version 2.3 PL11]

Forwarded message:

> You mean Renderman is not a ray-tracer... It uses shaders to create
> its images. A friend told me how shaders work generally and how they are
> used.
As far as I know Renderman is more a protocol interface than a program. Other
programs output to Renderman sort of like Imagine will output DCTV.

REYES is the program that Pixar uses to create all those great animations and it is definately positively not a ray tracer. It uses many techniques but its mostly an A-buffer with very complex shading built in. Pixar made up there mind (rightly so) that in order to create animations (shorts or full length films) and get them done in a resonable amount of time ray-tracing was right out.

> I don't think Renderman ray-traces 100%... Then again, all ray-tracing
> programs (except for some very slow ones) are not real ray-tracing

Excuse me. "All ray-tracing program are not ray-tracing programs." HUH. If a program raytraces it traces rays. If a rose is white it's still a rose.

> programs because they use tricks to speed up the process. A common one is
> terminating a RAY that comes from (or rather goes to, if you want to think
If a ray tracer did not do things to speed up processing and wanted to do a good then a ray-traced image would never finish in your life time. (there are an infinite number of light rays hitting a single spot)

All these programs render. There are many techniques used to make the images look better. Ray-tracing gives you the ability to do some special things such as reflection, refraction, motion blur, depth of field (focus). These features can be accomplished without ray tracing but it is very hard. Doing something like z-buffer gives you decent results quickly. Its all time vs quality issues. The longer you are willing to wait for an image the better you can make it look.

--

Scott
sking@cis.ohio-state.edu

1.116 item112

From jandreas@cs.ulowell.edu Thu May 20 14:33:43 1993
From: Jason Andreas <jandreas@cs.ulowell.edu>
Subject: Re: Real3D vs. Caligari vs. others
To: sking@cis.ohio-state.edu (scott a king)
Date: Thu, 20 May 1993 18:33:43 -0400 (EDT)
Cc: imagine@email.sp.paramax.com, lightwave@bobsbox.rent.com,
real3d@ucc.gu.uwa.edu.au
In-Reply-To: <9305201732.AA12886@tyrannosaur.cis.ohio-state.edu> from "scott a king ←
" at May 20, 93 01:32:12 pm

>

> Forwarded message:

>

> > You mean Renderman is not a ray-tracer... It uses shaders to create
> > its images. A friend told me how shaders work generally and how they ar
> > > used.

> As far as I know Renderman is more a protocol interface than a program. Other
> programs output to Renderman sort of like Imagine will output DCTV.

>

> REYES is the program that Pixar uses to create all those great animations and it
> is definately positively not a ray tracer. It uses many techniques but its
> mostly an A-buffer with very complex shading built in. Pixar made up there mind

> (rightly so) that in order to create animations (shorts or full length films)
 > and get them done in a resonable amount of time ray-tracing was right out.
 >
 > > I don't think Renderman ray-traces 100%... Then again, all ray-tracing
 > > programs (except for some very slow ones) are not real ray-tracing
 >
 > Excuse me. "All ray-tracing program are not ray-tracing programs." HUH. If
 > a program raytraces it traces rays. If a rose is white it's still a rose.
 >
 > > programs because they use tricks to speed up the process. A common one is
 > > terminating a RAY that comes from (or rather goes to, if you want to think
 > If a ray tracer did not do things to speed up processing and wanted to do a
 > good then a ray-traced image would never finish in your life time. (there
 > are an infinite number of light rays hitting a single spot)
 >
 > All these programs render. There are many techniques used to make the images
 > look better. Ray-tracing gives you the ability to do some special things such
 > as reflection, refraction, motion blur, depth of field (focus). These features
 > can be accomplished without ray tracing but it is very hard. Doing something
 > like z-buffer gives you decent results quickly. Its all time vs quality
 > issues. The longer you are willing to wait for an image the better you can
 > make it look.
 >
 > --
 > Scott
 > sking@cis.ohio-state.edu
 >
 Sorry for the HUGE comment, anyway;
 Renderman is a protocol, like Lightwave's .scene files or Imagine's
 or Real3D ,etc's equivilant. Renderman can raytrace,
 it can do radiosity, it can do phong shading, etc. You just have to
 make it do so by writing a .RIB file to do so. I Imagine Pixar's original
 intent was to make a standard format for rendering and modeling programs
 to use. It just so happens that Pixar's REYES package is the only thing
 on the market currently that will take a Renderman .RIB file complete with ←
 textures and spit out a picture. Also, Renderman is not inherently slow, just ←
 all the modeling programs that claim to be 'Renderman compatible'
 output polygons, not NURBS nor spline patches, etc. This is especially the
 case with macintosh based modelers were only a subset (absolute minimum) of
 Renderman is actually used.

1.117 item113

From swhitenn@reach.com Thu May 20 07:29:18 1993
 Date: Thu, 20 May 93 11:29:18 EDT
 From: swhitenn@reach.com (Shayne White -- BA/ITAS - Boston)
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Some impressions on

Reply --

Philippe,

I too had problems with the glass scene. It took a long

time, and when rendering it to a ham file, the file is incomplete or something - it won't load into any of my viewers. I only have 7 megs of ram - maybe that's the problem?

```

+++++
+  SHAYNE WHITE - STANDARD DISCLAIMER ....
+  THERE HAS NEVER BEEN A BLOODLESS REVOLUTION...  MALCOLM X +
+  SWHITENN@REACH.COM
+++++

```

===== Regarding =====

Date: Thu, 20 May 1993 05:42:34 +0800

Hello Thorsten (Thorsten Ebers). On May 14, you have written :

```

> Hi Shayne,
>
> >
> > Has anyone written tutorials for R3D2?

```

1.118 item114

From watters@cranel.com Thu May 20 10:19:53 1993

Date: Thu, 20 May 93 14:19:53 EDT

From: David Watters <watters@cranel.com>

To: kholland@chicoma.lanl.gov

Subject: Re: Real3D vs. Caligari vs. others

Cc: imagine@email.sp.paramax.com, lightwave@bobsbox.rent.com,
real3d@ucc.gu.uwa.edu.au

```

> I don't think Renderman ray-traces 100%...

```

I have not worked with Renderman, but it is my understanding that no percentage of it raytraces. Back in my youth I was talking to a fellow OSU student that had taken a job at Pixar and he said they were as anti-raytrace as you could get.

```

> Then again, all ray-tracing
> programs (except for some very slow ones) are not real ray-tracing
> programs because they use tricks to speed up the process.

```

Nothing wrong with tricks. Brute force is never the best way to do things.

```

> A common one is
> terminating a RAY that comes from (or rather goes to, if you want to think
> about it that way) the sky rather than tracing it through the atmosphere
> until it reaches the sky.

```

Huh?! When exactly would you like to stop tracing that ray? When it hits Saturn? It is not a trick to have a maximum depth (Zmax) at which you decide to stop looking for an object-ray intersection and insert the background color

or backdrop image color at that pixel.

```
David      ~  .__--'  |@,__
Watters    ~  ( )-_____-() `-
```

--

David R. Watters (watters@canel.com) Canel Inc. Development & Engineering
 "Porsche. The very name is, to many, the last word in sports cars. Any car
 blessed with these magic seven letters is sure to be the very best. Period!"
 - Car and Driver, January 1993

1.119 item115

From gfbxbase!ebers@tmpmbx.netmbx.de Fri May 21 10:07:27 1993
 Date: Thu, 20 May 93 10:02:13 CET
 In-Reply-To: <9305181208.AA00dw6@amipb.gna.org>
 (from amipb@amipb.gna.org (Philippe Berard))
 (at Thu, 20 May 1993 05:41:50 +0800)
 From: ebers@gfbxbase.in-berlin.de (Thorsten Ebers)
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Some impressions on Real3D 2.0 & Re: Tutorials

Hi Philippe,

```
> Hello Thorsten (Thorsten Ebers). On May 14, you have written :
>
> Won't it be good to create our own tutorials for this mailing-list ?
> I think that pouring water, even if it seems a little bit simple when
> you have a certain knowledge of Real3D , would be a good first example.
>
```

Yeah ,a good idea.

```
> Some tutorials seem to not be complete, and I know of one (T 6.17.4)
> that crashes the machine if you follow exactly what's described. I
```

I will try. I have version 2.30.
 I also tried the rotating example (wineglass)
 It also does not work.It is a bug.Using an axis for rotating and having only
 two points leads to an error.

```
> don't know if this is the case for you, but my machine (A2000 A2630
> 5 Megs) crashes when I try to define the velocity of the ball. If
> I first create the ball, define its velocity and create the tube,
> then there is no problems at all... :-(
>
```

I will reprt to you once i have tried it.

```
> BTW, I haven't seen any where that the directory r3d2:examples/animation
> contains all the tutorial scenes.
>
> While I'm at it, have anyone tried to render the 2 glasses present on the
```

> package ? It took me more than 2 hours on an A4000/040 10 Megs to render
 > it at a 736x580 resolution and I've re-done this scene under Imagine with
 > full anti-aliasing (EDLE at 0), Raytrace, a reflective ground and a rotation
 > subdivision of 50 for each glass, and it took me only 30 minutes to render
 > on my A2000 '030...
 >

Well I hard that iat the render there is a bug with glass that leads
 to long times.

> Well, too much for the bad news, Real3D 2.0 is really great for realistic
 > renderings and animations, and is even better for the programmer/scientific.
 >

But versiion 2.33 is coming....

> Regards,
 >
 > -- Philippe
 >
 > .-----.
 > | Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
 > | "They hold a cup of wisdom, | -> Please don't send mails |
 > | But there is nothing within" (Kate Bush). | >50 Ko ! |
 > `-----`
 >

Thorsten

Thorsten Ebers e-mail: ebers@gfxbase.in-berlin.de

Tel.: +49 30 321 3428

1.120 item116

From john@heights.demon.co.uk Thu May 20 09:09:22 1993
 Date: Thu, 20 May 93 09:09:22 GMT
 In-Reply-To: <9305200642.AA21762@gserv1>
 (from "G.Coulter" <G.Coulter@daresbury.ac.uk>)
 (at Thu, 20 May 1993 15:10:56 +0800)
 Reply-To: john@heights.demon.co.uk
 From: John Shiali <john@heights.demon.co.uk>
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Stack size for Real3D *-Joh

Hi G.Coulter (G.Coulter), on May 20 you wrote:

> John & Alexander, thanks for the info regarding the
 > stack size, I modified the stack size re-ran Real3D
 > and everything ran fine. I set the stack to 50000,
 > does it really need to be any higher, ie for rendering
 > glass I have 16MB of RAM: so what is a good all round
 > stack size.

Ummm, I suppose that 50000 is fine - I've never needed more than

that....

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.121 item117

From john@heights.demon.co.uk Thu May 20 16:11:49 1993
Date: Thu, 20 May 93 16:11:49 GMT
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
Subject: R3d2 & interlace rendering

I've just had my copy arrive, so I have been experimenting, but there doesn't seem to be a gadget for outputting interlace HAM images (just lo res). When outputting directly to a window, screen sizes are gohsted out - when outputting to a file, I can change the height setting, but this isn't the same as an interlace file - Anyone got any ideas or is this another 'feature' ?

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.122 item118

From john@heights.demon.co.uk Thu May 20 22:10:59 1993
Date: Thu, 20 May 93 22:10:59 GMT
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
Subject: 2 dimensional primitives problem

.. the one I mentioned about the extra point causing incorrect weighting of averaged points - it's the symbol that indicates which way up the primitive is for boolean operations that is causing the problem.... until it's fixed we'll have to use extremely thin prismns and cubes....

BTW, this is why some of the first tutorials don't work properly...

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.123 item119

From john@heights.demon.co.uk Thu May 20 11:18:37 1993
Date: Thu, 20 May 93 11:18:37 GMT
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
Subject: R3D2 & 2.04

Anyone using R3D 2 on a WB 2.04 (not 2.1) machine? Whenever trying to open a new screen, I just get a blank requester where the screenmodes should be - I've seen his before on other (PD) programs - it's only looking for screenmodes under the new 2.1 modes ie - under 2.04 you cannot select screen resolutions. Is this a bug or a feature, or do I have to spend some more money on a minor upgrade so I can select screens on Real?

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.124 item120

From john@heights.demon.co.uk Thu May 20 16:43:09 1993
Date: Thu, 20 May 93 16:43:09 GMT
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
Subject: Another Bug?

Try making a flat primitive (circle, rectangle, whatever), and the startpoint gets an extra point - this means that you can never click and drag over the object to get the average point because it is always weighted incorrectly towards the double-point start...

Where *were* the betatesters?

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.125 item121

From willow!alexr@comback.login.qc.ca Thu May 20 19:42:15 1993
Date: Thu, 20 May 93 23:42:15 EDT
From: alexr@willow.login.qc.ca (Alexandre Rousseau)
To: heberle@pcserver.trier.fh-rpl.de
Cc: mnemonic@netcom.com, watters@cranel.com, imagine@email.sp.paramax.com,
 lightwave@bobsbox.rent.com, real3d@ucc.gu.uwa.edu.au
Subject: Re: Real3D vs. Caligari vs. others

:>You mean Renderman is not a ray-tracer... It uses shaders to create

```

:>its images. A friend told me how shaders work generally and how they are
:>used.
:
:>I don't think Renderman ray-traces 100%... Then again, all ray-tracing
:>programs (except for some very slow ones) are not real ray-tracing
:>programs because they use tricks to speed up the process. A common one is
:>terminating a RAY that comes from (or rather goes to, if you want to think
:>about it that way) the sky rather than tracing it through the atmosphere
:>until it reaches the sky.
:-----
:I'm working with TDI's software package TDIImage on a IBM RS/6000 (the
:software normally called EXPLORE on SGI workstations). This software is
:modular and has a lot of programs to do the work. It has one RAY-tracer
:and one RENDER-er program. The render can produce reflected and
:shadowed objects, but you have to tell which objects shall have shadows
:and reflection. If you produce an image with a high resolution (up to
:1280 x 1024), the workstation will render let me say 25 minutes; with
:the RAY program where you can define how many rays and how often they
:shall come up per pixel, the rendering (raytracing) time will range
:from one hour up to 12-15 hours. So if you produce a long animation
:with 500 or more hundred images for a commercial spot, you can save a
:lot of time if you render the images. Some design students here at our
:educational system did an animation of 440 images. The animation
:rendering time was <11 hours with the renderer in a PAL videoresolution (768 x 576) ←
:
:If someone out there is interested to see which quality the rendered
:pictures have, then I can upload some nice images produced by me to
:wuarchive in the Imagine/art directory. You will see that there is no
:difference to a raytraced image.
:Horst Heberle
:heberle@pcserver.trier.fh-rpl.de
:
Yes, please. Or EMail me one jpeg'd image in full res. (hell of an EMail
though but I don't mind as long as the jpeg < 100K).

Thanks.

alexr@willow.login.qc.ca

```

1.126 item122

```

From eha@zombie.oulu.fi Fri May 21 11:06:30 1993
From: eha@zombie.oulu.fi (Esa Haapaniemi)
Subject: Speed of rendering
To: real3d@ucc.gu.uwa.edu.au
Date: Fri, 21 May 1993 08:06:30 +0300 (EET DST)
In-Reply-To: <9305181208.AA00dw6@amipb.gna.org> from "Philippe Berard" at May 20, ←
    93 05:41:50 am

> While I'm at it, have anyone tried to render the 2 glasses present on the
> package ? It took me more than 2 hours on an A4000/040 10 Megs to render
> it at a 736x580 resolution and I've re-done this scene under Imagine with
> full anti-aliasing (EDLE at 0), Raytrace, a reflective ground and a rotation
> subdivision of 50 for each glass, and it took me only 30 minutes to render

```

> on my A2000 '030...

The 2 glasses example is done with B-splines, and very accurate as it. And those are always slower to render than doing everything with other kind of objects. I think you can get to some 5 minutes with making your scene optimal before rendering (with Real3D I mean, and using the A4000).

> Well, too much for the bad news, Real3D 2.0 is really great for realistic renderings and animations, and is even better for the programmer/scientific.

What kinds of scientific purposes do you have in mind ? Newtonian laws are not very specific in chemistry or physics, maybe they could be used in astronomy...

Read you more ?

Esa Haapaniemi
University of Oulu
Finland

1.127 item123

From eha@zombie.oulu.fi Fri May 21 11:15:29 1993
From: eha@zombie.oulu.fi (Esa Haapaniemi)
Subject: Re: version
To: real3d@ucc.gu.uwa.edu.au
Date: Fri, 21 May 1993 08:15:29 +0300 (EET DST)
In-Reply-To: <9305192127.AA005a7@gfxbase.in-berlin.de> from "Thorsten Ebers" at ↵
May 20, 93 04:30:17 am

> > What is the current version of Real3D ? I have 2.31. If I'm going
>
> my version is 2.30 and I am still waiting for latest release.

The latest I know is 2.33, and counting all the time. I've given Vesa a suggestion to get the patches to internet/this mailing list. Otherwize all new versions are available on the Real-BBS as whole programs.

Esa Haapaniemi
Universit of Oulu
Finland

1.128 item124

From eha@zombie.oulu.fi Fri May 21 11:21:29 1993
From: eha@zombie.oulu.fi (Esa Haapaniemi)
Subject: Chemistry with RPL ?
To: real3d@ucc.gu.uwa.edu.au
Date: Fri, 21 May 1993 08:21:29 +0300 (EET DST)
In-Reply-To: <MMM.0.90.4.737841579.lee@auriga.rose.brandeis.edu> from "charles lee ↵
" at May 20, 93 03:54:50 am

> Well.... I'm working on transferring of pdb (protein databank) data
> to RPL format. I'm have a rudimentary version of my program that
> can do alpha carbons, residues structured as spheres, etc... I'm
> eventually going to get around to making a FULLY featured pdb
> converter for all of us structural biologists out there :)

I'm not a structural biologist, but I'm also very interested in that project. Could you make it as transferrable as possible ? I'd like to get tube, ball_and_stick, spheres, wire, ... and all similar outputs from .CSSR files also (and perhaps .MOL2, Gaussian .OUT and so on).

> I'm also going to be using Real3D to do graphics in an up-and-coming release for the 3DO platform.... look for it early
> next year. :)

Chemistry program ? Or just simple graphics ? May I send that info to csa.graphics to advocate Real3D ?

Esa Haapaniemi
University of Oulu
Finland

1.129 item125

From lee@auriga.rose.brandeis.edu Thu May 20 22:40:02 1993
Date: Fri, 21 May 93 2:40:02 EDT
From: charles lee <lee@auriga.rose.brandeis.edu>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Chemistry with RPL ?
In-Reply-To: Your message of Fri, 21 May 1993 13:36:02 +0800

Esa,

Good to hear from you again. :)

Well, all my program does now is create an RPL C_LINE. I then execute the macro (since it is in RPL format) and then select the line's points (thus placing the points onto the vector stack.) and then select the Rounded Circular function...

It works..... but I'm in the process of making it more automated (ie. big RPL macros.) I'll post up the macro as soon as I'm done working out a few more features in the original program (ie. Handling branched chain and ring structure amino acids.)

>tube

Easy with the above method. Except if your structure starts branching off in all directions (hence my problems.)

>.CSSR .MOL2 .OUT

Uuuuuhhh.... Send me the standardized rules for these formats and I'll code up programs for them.

>3DO

3DO is a kickin' console with lots of potential. You could send it to advocate Real3D if you want... but as of now, the game release is somewhat far off (that is why I said next year!) Nice big and NETWORKED game :)

Charles Lee
Brandeis University
Structural Biology Lab
US of A

1.130 item126

From john@heights.demon.co.uk Fri May 21 07:50:07 1993
Date: Fri, 21 May 93 07:50:07 GMT
Reply-To: john@heights.demon.co.uk
From: John Shiali <john@heights.demon.co.uk>
Subject: Real 3D upgrades

QUOTE ON -----

Hiya everybody!

I've got some hot news from RealSoft! It seems that they DO take their usergroup very seriously, like the proper company they are. Some facts:

- All the bugs that has been found in the previous versions has been corrected now. The "flawless" version that'll ship is numbered 2.34. Released within a month. Free of charge to registered users, and likely to be released on support bbs's around the globe.
- Render engine for multiple machine rendering available soon! This means that those people with more than one machine will be able to take advantage of the extra power! Furthermore, the Rendering Engine will eat much less memory than the full version, so some projects can be realized without the extra memory!
- Dongle problem: fixed VERY soon! I can't tell you guys everything yet, but it'll end the dongle discussion on this echo....permanently. They are also "very likely" to offer extra dongles to registrered users, but it will probably be sold with the rendering engine. I dunno, guess it's a matter of policy...

The dates on the two items above is set to "sometime June/July". They also told me that there will be "significant development" on the user interface and functions! It appears that A LOT of new functions is in the works for v2.40 (or whatever), and they are ALL suggestions from users that are now being incorporated into the program. This is very impressive user-support, I think. I can see no reason why anyone should want to switch to Lightwave, Imagine etc. when there is such a backing from RealSoft. They did tell me quite a bit about the new features (sorry, promised not to tell) and they are VERY interesting indeed. To all you unfortunate brits who hasn't yet received their copy of Real3D, I can only tell you that they are aware of your problems, and are trying to "push" for a solution.

I hope this has cleared up a few points. Speaking of which, Vesa Measkanen, the brain behind Real3D promised me that he'll try and get hold of this echo in Finland...now that would be something, wouldn't it?

QUOTE OFF -----

NAMES CHANGED TO PROTECT THE INNOCENT.....

John .. InterNet - john@heights.demon.co.uk
 FidoNet - 2:253/510.9

1.131 item127

From lee@auriga.rose.brandeis.edu Thu May 20 23:27:11 1993
 Date: Fri, 21 May 93 3:27:11 EDT
 From: charles lee <lee@auriga.rose.brandeis.edu>
 To: real3d@ucc.gu.uwa.edu.au
 Subject: Re: Real 3D upgrades
 In-Reply-To: Your message of Fri, 21 May 1993 15:10:45 +0800

Hmmm... version 2.33 is up on the Realsoft Canada support BBS.
 I'm going to ask Adam Godfrey if they will allow it being posted to
 ftp sites....

-The Supreme Martyr

o Charles Lee	///// \	:	_____ / _M_I_G_ / _____	:	Focus Graphics	o
~~~~~	C o.o	:	=-----=	:	~~~~~	
Fortress Amiga _/_/	- "AMIGA!"	:	Real 3D v.2.31 owner	:	2D/3D Graphics	
o Brandeis University		:	Serial #A2000243	:	2D/3D Animation	o

## 1.132 item128

From hrmitter@cip.e-technik.uni-erlangen.de Fri May 21 18:00:54 1993  
 From: Holger Mitterwald <hrmitter@cip.e-technik.uni-erlangen.de>  
 Subject: Re: Real3D vs. Caligari vs. others  
 To: real3d@ucc.gu.uwa.edu.au  
 Date: Fri, 21 May 93 12:03:20 MSZ  
 In-Reply-To: <9305191925.AA28563@netcom3.netcom.com>; from "Mnemonic" at May 20, 93 3:21 am

> I guess according to this distributor, the renderer used for all the  
 > Listerine Commercials, T2, and the Abyss (Renderman/Reyes if you're  
 > wondering) is not really a renderer.  
 >

As far as I know, Renderman does mainly scanlining. Regarding to the given definition, it is

a renderer, but not a raytracer.  
But T2 looks still impressive :-)

So long,  
Holger

### 1.133 item129

From hrmitter@cip.e-technik.uni-erlangen.de Fri May 21 18:05:07 1993  
From: Holger Mitterwald <hrmitter@cip.e-technik.uni-erlangen.de>  
Subject: Re: Software Failure running TurboReal:  
To: real3d@ucc.gu.uwa.edu.au  
Date: Fri, 21 May 93 12:07:50 MSZ  
In-Reply-To: <9305181518.AA00dwg@amipb.gna.org>; from "Philippe Berard" at May 20, ↵  
93 5:36 am

> The 68040 is, as far as I know, fully '030 compatible.

Nope. The '40 MMU does not have the full instruction set of the '30 MMU. This is ↵  
for example the  
reason why AMIX does not run. The FPU in the '40 has a reduced instruction set, ↵  
too.

So long,  
Holger

### 1.134 item130

From oldfox@rieska.oulu.fi Fri May 21 16:07:26 1993  
Date: Fri, 21 May 93 13:07:26 +0300  
From: oldfox@rieska.oulu.fi (Panu Hassi)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Real 3D upgrades

The news about the next version with all the bug fixes and new features sounds great! Does anyone have ideas on how to send email to the author? I have some ideas that could make the program just a little bit better...

-----  
Panu Hassi | University of Oulu | Money talks...  
oldfox@rieska.oulu.fi | Finland | The last thing it said was Goodbye  
-----

### 1.135 item131

From Peter.Sjostrom@ludd.luth.se Fri May 21 15:05:25 1993  
From: Peter.Sjostrom@ludd.luth.se  
Subject: Re: R3D2 & 2.04

---

To: real3d@ucc.gu.uwa.edu.au  
Date: Fri, 21 May 1993 13:05:25 +0200 (MET DST)  
In-Reply-To: <9305201118.AA00580@heights.demon.co.uk> from "John Shiali" at May 21, 93 01:13:59 pm ←  
Reply-To: Peter.Sjostrom@ludd.luth.se

Screenmode requester is only available under 2.1+. Real3D should check that, but apparently doesn't. I'd call it a bug...

/Peter

## 1.136 item132

From jannek@zombie.oulu.fi Fri May 21 17:18:43 1993  
From: jannek@zombie.oulu.fi (Janne Tuomas Kiiskila)  
Subject: Re: Real 3D upgrades  
To: real3d@ucc.gu.uwa.edu.au  
Date: Fri, 21 May 1993 14:18:43 +0300 (EET DST)  
In-Reply-To: <9305211007.AA27406@rieska.oulu.fi> from "Panu Hassi" at May 21, 93 ←  
06:50:55 pm

> Does anyone have ideas on how to send email to the author? I have some  
> ideas that could make the program just a little bit better...

Well, I don't think he has an email address, but normal mail and phone calls are available, check out the brochure in mikrolabran paivystys, it has his phone number etc.

```
-----  
- Janne Kiiskila at the University of Oulu : jannek@phoenix.oulu.fi -  
-  
- Amiga 4000/040 25MHz Power      GeNoCiDe!      Amiga-freaks unite! -  
-  
- Oulu area Amiga users mail-list is working, try learning Finnish! -  
-  
-                               Joining requests to ouamiga-request! -  
-----
```

## 1.137 item133

From dino@alex.com Fri May 21 20:58:50 1993  
Return-Path: <dino>  
Date: Fri, 21 May 93 13:53:17 BST  
From: Dino Fancellu <dino@alex.com>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Real 3D upgrades

> The news about the next version with all the bug fixes and new features sounds  
> great! Does anyone have ideas on how to send email to the author? I have some  
> ideas that could make the program just a little bit better...

---



>

How about sending it to the Aactiva email address activa@motship.hacktic.nl ?

Dino.

## 1.138 item134

From watters@canel.com Fri May 21 06:09:39 1993  
 Date: Fri, 21 May 93 10:09:39 EDT  
 From: David Watters <watters@canel.com>  
 To: real3d@ucc.gu.uwa.edu.au  
 Subject: 3DO (was Re: Chemistry with RPL ?)

> >3DO?

>

> 3DO is a kickin' console with lots of potential. You could send  
 > it to advocate Real3D if you want... but as of now, the game  
 > release is somewhat far off (that is why I said next year!)  
 > Nice big and NETWORKED game :)

3DO is not a console. 3DO is a computer game, multimedia, and communication architecture standard that was defined by R.J. Michael and Dave Needle (two of the original Amiga developers) with heavy support from someone at EA. The standard is being supported by some bigtime companies such as AT&T, E.A., Matsushita, Time-Warner (I think) and some others. The spec includes one of the ARM RISC processors and a couple DSPs with at least one custom VLSI to be fabricated by AT&T. Panasonic (Matsushita) is the first (and only at this time) company to be producing a unit and I believe theirs is oriented at the consumer entertainment market. Stock for the company has just started to be sold publicly under THDO.

I believe there is a newsgroup that has more and better (more accurate) info.

David ~ . _ _ _ _ _  
 Watters ~ \ _ _ _ _ _ | @ , _ _  
 ~ ( ) - _ _ _ _ _ - ( ) ` -

--

David R. Watters (watters@canel.com) Canel Inc. Development & Engineering  
 "Porsche. The very name is, to many, the last word in sports cars. Any car  
 blessed with these magic seven letters is sure to be the very best. Period!"  
 - Car and Driver, January 1993

## 1.139 item135

From mark@westford.ccur.com Fri May 21 06:46:47 1993  
 To: real3d@ucc.gu.uwa.edu.au  
 Cc: lightwave@bobsbox.rent.com, mark@westford.ccur.com

Subject: Re: Real3D vs. Caligari vs. others  
 Date: Fri, 21 May 93 10:46:47 EDT  
 From: Mark Thompson <mark@westford.ccur.com>

>But my question is, can Lightwave do reas shadows? I have seen a few Lightwave  
 >pictures (The great ones from Mark Thompson (Floaty, Store, and Furnace)).  
 >Especially the Floaty-picture looks so as if Floaty is flying above the screen.  
 >I think the cause for this are the missing shadows. (But I'm totally amazed by  
 >the light-effects in Furnace :-) )

Not sure what you mean real shadows. LW 3.0 can use one of two methods for shadow generation: ray casting and shadow mapping. Ray casting is traced shadows. They have hard edges but are very accurate (although slow because they are traced). Shadow mapping is a fast scanline type shadow algorithm that creates very nice soft edge shadows very quickly. Its drawbacks are less accuracy and they are limited to conical (spotlight) light sources. The shadows in both Furnace and the new Creature image are shadow mapped. Note that in the Creature image, some of the shadow casting detail on the walls appears to be floating a few inches from the wall. This is due to a problem in my beta software. Rest assured it will be fixed in the final release software.

As for the Floaty picture, there were no shadows generated in that scene. The shadows you see underneath the lawn chairs are simply transparent polygons that look like shadows. This was done to dramatically reduce render time since shadow mapping was not available when that image was created.

```
%~~~~~%
%      \      /      Mark Thompson      CONCURRENT COMPUTER %
%  ---* RADIANT *---  mark@westford.ccur.com      Principal Graphics %
%      ' Image '      ...!uunet!masscomp!mark      Hardware Architect %
%      Productions      (508)392-2480 (603)424-1829  & General Nuisance %
%~~~~~%
```

## 1.140 item136

From mark@westford.ccur.com Fri May 21 06:57:18 1993  
 To: real3d@ucc.gu.uwa.edu.au  
 Cc: mark@westford.ccur.com  
 Subject: Re: Real3D vs. Caligari vs. others  
 In-Reply-To: Your message of Fri, 21 May 93 11:59:28 +0800.  
                     <9305201732.AA12886@tyrannosaur.cis.ohio-state.edu>  
 Date: Fri, 21 May 93 10:57:18 EDT  
 From: Mark Thompson <mark@westford.ccur.com>

> REYES is the program that Pixar uses to create all those great animations and  
 > is definately positively not a ray tracer. It uses many techniques but its  
 > mostly an A-buffer with very complex shading built in.

Actually, they used A-buffering only briefly before they moved to stochastic supersampling of micro-polygon facets. Each polygon or surface in the scene is subdivided down to subpixel facets which are rendered without smooth shading (why would you ever smooth shade something smaller than a pixel). This approach allowed them to get several interesting effects without too

much extra effort such as: vertex independant displacement mapping, motion blur, and depth of field.

```
%~~~~~%
%      '      '      Mark Thompson      CONCURRENT COMPUTER %
%  ---* RADIANT *---  mark@westford.ccur.com      Principal Graphics %
%      ' Image '      ...!uunet!masscomp!mark      Hardware Architect %
%      Productions      (508)392-2480 (603)424-1829      & General Nuisance %
%~~~~~%
```

## 1.141 item137

From switenn@reach.com Fri May 21 09:20:53 1993  
 Date: Fri, 21 May 93 13:20:53 EDT  
 From: switenn@reach.com (Shayne White -- BA/ITAS - Boston )  
 Subject: Rendering Engine

What is this Rendering Engine? I assume that it will take a project and rendering it (no interface). Is this correct? Can anymore be said about it? Also, will Amiga Real3D projects be in the same format as IBM, UNIX, etc versions of Real3D ?

Thanks,  
 Shayne

## 1.142 item138

From lee@auriga.rose.brandeis.edu Fri May 21 12:18:19 1993  
 Date: Fri, 21 May 93 16:18:19 EDT  
 From: charles lee <lee@auriga.rose.brandeis.edu>  
 To: real3d@ucc.gu.uwa.edu.au  
 Subject: Re: 3DO (was Re: Chemistry with RPL ?)  
 In-Reply-To: Your message of Fri, 21 May 1993 22:11:00 +0800

>3DO

As far as my development (for a game) is concerned; it is CONSOLE with lots of potential. There is no need to inform me of its features, as I have all of them.

```
o Charles Lee      //\\\\\\      :_____/\\_M_I_G_/\\_____: FocuS GraphicS  o
| ~~~~~~ C o.o      :======: ~~~~~~ |
| Fortress Amiga \\_/ -"AMIGA!" : Real 3D v.2.31 owner : 2D/3D Graphics |
o Brandeis University      :      Serial #A2000243      : 2D/3D Animation o
```

## 1.143 item139

From john@heights.demon.co.uk Fri May 21 21:43:35 1993  
22 May 93 7:57 BST  
Date: Fri, 21 May 93 21:43:35 GMT  
In-Reply-To: <9305211720.AA21691@ad0.reach.com>  
(from Shayne White -- BA/ITAS - Boston <swhitenn@reach.com>)  
(at Sat, 22 May 1993 01:57:51 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Rendering Engine

Hi Shayne (Shayne White -- BA/ITAS - Boston), on May 22 you wrote:

> What is this Rendering Engine? I assume that it will take a  
> project and rendering it (no interface). Is this correct? Can

I think so.

> anymore be said about it? Also, will Amiga Real3D projects be in  
> the same format as IBM, UNIX, etc versions of Real3D ?

I think so - it can be ascii (like RPL (?)) or a binary IFF type file.

John .. InterNet - john@heights.demon.co.uk  
FidoNet - 2:253/510.9

## 1.144 item140

From john@heights.demon.co.uk Fri May 21 21:35:32 1993  
22 May 93 7:57 BST  
Date: Fri, 21 May 93 21:35:32 GMT  
In-Reply-To: <9305211007.AA27406@rieska.oulu.fi>  
(from Panu Hassi <oldfox@rieska.oulu.fi>)  
(at Fri, 21 May 1993 18:52:03 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Real 3D upgrades

Hi Panu (Panu Hassi), on May 21 you wrote:

> The news about the next version with all the bug fixes and new features sounds  
> great! Does anyone have ideas on how to send email to the author? I have some  
> ideas that could make the program just a little bit better...

As far as I know he is not at an email address, but may be joining the Finnish end of the fido echo...

John .. InterNet - john@heights.demon.co.uk

---

FidoNet - 2:253/510.9

## 1.145 item141

From john@heights.demon.co.uk Fri May 21 21:36:04 1993  
22 May 93 7:57 BST  
Date: Fri, 21 May 93 21:36:04 GMT  
In-Reply-To: <199305211105.AA03364@mother.ludd.luth.se>  
(from Peter.Sjostrom@ludd.luth.se)  
(at Fri, 21 May 1993 19:03:35 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: R3D2 & 2.04

Hi Peter.Sjostrom (Peter.Sjostrom), on May 21 you wrote:

>  
> Screenmode requester is only available under 2.1+. Real3D should  
> check that, but apparently doesn't. I'd call it a bug...

Me too.

John .. InterNet - john@heights.demon.co.uk  
FidoNet - 2:253/510.9

## 1.146 item142

From pockets@netcom.com Fri May 21 08:44:41 1993  
From: pockets@netcom.com (Sean C. Cunningham)  
Subject: Re: Real3D vs. Caligari vs. others  
To: real3d@ucc.gu.uwa.edu.au  
Date: Fri, 21 May 93 15:44:41 PDT  
In-Reply-To: <9305211003.AA24414@cip.e-technik.uni-erlangen.de>; from "Holger Mitterwald" at May 21, 93 6:03 pm  
X-Mailer: ELM [version 2.3 PL11]

>  
> > I guess according to this distributor, the renderer used for all the  
> > Listerine Commercials, T2, and the Abyss (Renderman/Reyes if you're  
> > wondering) is not really a renderer.  
> >  
> As far as I know, Renderman does mainly scanlining. Regarding to the given  
> definition, it is  
> a renderer, but not a raytracer.  
> But T2 looks still impressive :-)  
>  
> So long,  
> Holger  
>

---

>

Actually, Renderman itself is not a renderer, but an interface. Renderman has a spec for raytracing but prman (the renderer from Pixar) does not raytrace. prman is a raycasting bucket renderer, not a scanline renderer.

--

## 1.147 item143

From eha@phoenix.oulu.fi Sat May 22 11:43:09 1993  
From: eha@phoenix.oulu.fi (Esa Haapaniemi)  
Subject: Re: Rendering Engine  
To: real3d@ucc.gu.uwa.edu.au  
Date: Sat, 22 May 1993 12:43:09 -0100 (GMT-2:00)  
In-Reply-To: <9305211720.AA21691@ad0.reach.com> from "Shayne White -- BA/ITAS - ←  
Boston" at May 22, 93 01:56:45 am

> What is this Rendering Engine?

I don't know what specific rendering engine you are interested in, but Real3D 2.x can now make outputs with modularity to almost any possible external renderer. One possibility now under work is the DMI Vivid card that could make all calculations with some 100 MFLOPs speed. Also modularity means that output to .DXF and Renderman is possible (and thus the workstation calculations, even Cray if that is needed).

> I assume that it will take a project and rendering it (no interface).

Mainly yes, but the Vivid project as far as I know includes also direct interface. Also the forthcoming unix and Windows projects can be used.

> Also, will Amiga Real3D projects be in  
> the same format as IBM, UNIX, etc versions of Real3D ?

Yes, and still the Amigaversion has the best interface, and it's the cheapest (Unixversion can be much more than 1000 \$, and Windows version is supposedly 999 \$. Current information is that Windows version is some 1/3 of the speed with 486DX66 than Amiga, and the unixversion with X11 and Sun sparc (don't know the model) is faster than Amigaversion).

> Thanks,  
> Shayne

This is still unofficial, and my only connection to Vesa is my betatesting friend who calls Vesa almost daily.

Esa Haapaniemi  
University of Oulu  
Finland

---

## 1.148 item144

From Peter.Sjostrom@ludd.luth.se Sat May 22 21:10:52 1993  
From: Peter.Sjostrom@ludd.luth.se  
Subject: Re: Rendering Engine  
To: real3d@ucc.gu.uwa.edu.au  
Date: Sat, 22 May 1993 19:10:52 +0200 (MET DST)  
In-Reply-To: <9305220943.AA15466@phoenix.oulu.fi> from "Esa Haapaniemi" at May 23, ↵  
93 00:57:12 am  
Reply-To: Peter.Sjostrom@ludd.luth.se

I heard the Vivid was dropped due to lack of software support from DMI?

/Peter

## 1.149 item145

From john@heights.demon.co.uk Sat May 22 22:08:58 1993  
Date: Sat, 22 May 93 22:08:58 GMT  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
Subject: R3D2 & screens

Okay, so I have the new screenmodes, but as far as I can tell, this is what I have...

1. I work in a 256x640 hires screen
2. If I want to render in HAM, it goes to a lores HAM screen
3. If I want a laced screen, I have to..
  - a) Open a newscreen in HAM
  - b) open a view window on that screen
  - c) arrange the view
  - d) render (which opens *another* laced HAM screen)
  - e) close the first laced screen

Is this silly or what, or am I doing it wrong?

John ..   InterNet   - john@heights.demon.co.uk  
          FidoNet   - 2:253/510.9

## 1.150 item146

From CarmenR@cup.portal.com Wed May 22 18:26:13 1993  
Return-Path: <CarmenR@cup.portal.com>  
From: CarmenR@cup.portal.com  
Subject: NTSC aspect ratio  
Lines: 9  
Date: Sun, 23 May 93 01:26:13 PDT

---

X-Origin: The Portal System (TM)

Hiya! [first post here]

After some expiramenting; I've found that "Pixel h/w" seting of 1.16 is pretty good for NTSC HiRes-Laced or NTSC LoRes-NonLace. Does anyone know a more accurate ratio? Does anyone know [off hand] what the Pixel h/w should be for NTSC HiRes-NonLace and NTSC LoRes-Lace? Thanks!

CarmenR - Crazyed Artist  
CarmenR@cup.portal.com

## 1.151 item147

From lee@auriga.rose.brandeis.edu Sun May 23 00:46:17 1993  
Date: Sun, 23 May 93 4:46:17 EDT  
From: charles lee <lee@auriga.rose.brandeis.edu>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: NTSC aspect ratio  
In-Reply-To: Your message of Sun, 23 May 1993 16:23:19 +0800

Carmen...

Take a look at your rendering presets in Imagine (a familiar program!)

640x400 uses a y/x of 7:6... dividing that gives you 1.166666667  
which is the aspect ratio I used for my DCTV animations (ie NTSC.)

320x400 uses a y/x of 7:12 = 0.58333333

640x200 uses a y/x of 7:3 = 2.3333333

I've only used the NTSC ratio... but the others should work, owing to the fact that I've used those resolutions in Imagine...

(BTW, glad to see you're playing with Real3D !)

-Charles Lee  
lee@auriga.rose.brandeis.edu  
IRC: Real3D

```
o Charles Lee      //\\\\\\      :_____/\\_M_I_G_/\\_____: Focus Graphics  o
| ~~~~~          C o.o          :======: ~~~~~          |
| Fortress Amiga \\_/ -"AMIGA!" : Real 3D v.2.31 owner : 2D/3D Graphics |
o Brandeis University      :      Serial #A2000243      : 2D/3D Animation o
```

## 1.152 item148

From john@heights.demon.co.uk Sun May 23 13:56:37 1993  
Date: Sun, 23 May 93 13:56:37 GMT  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>



Subject: R3Dv2 - a critique

Forwarded from FIDO REAL_3D, by Chris Perigo....

QUOTE ON -----

Brother realists...

Look what they've done to my song Ma  
Look what they've done to my song,  
Well it's the only thing that I could do half right  
Now it's turning out all wrong Ma,  
Look what they've done to my song.

As you might have guessed I've got my Realv2 upgrade and ,I promise you, It gives me no pleasure at all to say that I really don't like it very much.

It IS Very powerful and impressive and can get results that 1.4 couldn't but....

Using V2.33 feels like working in a huge sprawling company choked with bureaucracy and petty, obstructive middle management. Now, instead of just getting the job done with the help of a trusted friend I feel like I'm labouring under the yoke of an uncaring boss.

I realise it's early days yet and that given time I'll learn how to "play the system" in order to get the results I want, but I don't want to "play the system", I just want to get on with the job.

There is a strong smell of "too many cooks" about V2 and one is put in mind of the definition of a camel ie "a horse designed by a committee"

It seems to me that the development team have concentrated exclusively on getting the new features up and running then have absent mindedly thrown the 1.4 baby out with the bathwater. They've obviously never come across the phrase "If it ain't broke don't fix it!"

Enough poetic analogy, I'll try to be more specific but I'm annoyed and that tends to make me overly verbose

"Almost all of your old friends are still there, they are just living in different places" reassures the manual..

O.K. my two oldest and most trusted friends from 1.4 are the "=" key (which restricted point averaging to the selected object) and the "/" key (which gave a 3D average of points as opposed to the default 2D average. I cannot overstate the importance of these two keys. They are the oil that makes the 1.4 machine run smoothly, without them you will, at least, double your modelling time and you run the risk of ending up with skewed and badly fitting objects. Virtually all the operations I ever performed in 1.4 involved some combination of these keys.

So where are they then? well, the manual assures us that the <ALT> key serves the same purpose as the old "=" key...well almost, (I could be doing something wrong but if I am It's only because the manual doesn't tell the

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whole story).

When you drag a box using the <ALT> key you don't end up with one point you get two, you get an extra one where the drag box finished what is worse is that any new building or modifying functions are now tied to a point midway between them so you have in effect created three points!!!

So, <ALT> then is all but unusable, personally I think it's a bug but I can't believe that "everyone" at Realsoft could miss something this fundamental to using the program.

It does seem to behave itself a bit better when used in conjunction with the vector stack (ie holding down <shift> and <alt> whilst dragging, then averaging the resultant vectors and then popping the stack to get the 3D average) it works, but what a flaming carry on.

The vector stack is presumably what the old 1.4 "/" key has metamorphosed into and I can see how this could potentially be more versatile and powerful than the old way of doing things. So where are the keyboard shortcuts for controlling the vector stack? do I really have to take time out to use a menu? user friendly they may be but they are very slow.

Another thing that worries me How do I exclusively select only 2D info? (ie the old 1.4 default) surely I don't have to ...flip to a perpendicular view then select the cross-section, do the average, pop the stack and then jump back to my original view again?

Would it not have been better to provide the vector stack as a separate option and keep the very efficient "/" from 1.4 ?

"Our old friends" may still be in there somewhere but they're crippled shadows of their former selves. the clean, logical and above all quick way of working in 1.4 has been sacrificed in the name of versatility and power.

Don't get me wrong, I still want the new "improved" features but not at the cost of efficiency. Give me the extra power/versatility but ONLY when I need it. In normal use, give me a default streamlined option. I don't want four key presses when one would do! I've got a life to get on with.

Speaking of key presses who is responsible for the default keyboard shortcuts and have they sobered up yet?

Why do all the most frequently used options require that you either; take your hand off the mouse (slow), or perform some awkward stretch that can only be achieved by a third year guitar student? For instance toggling between X Y and Z projections. Why not use F1, F2, F3 whose present functions are duplicated elsewhere anyway.

For my money, all of the view and camera controls should be on the f keys not finger twisting "right amiga" combinations. Can you redefine them? Not without putting on your programming head which, as an artist, I don't have to do very often so I fully expect to fail.

Worst of all though is the fact that the cursor keys combinations move the display in exactly the wrong direction. the manual tries to fob you off with some BS about how if you look to the left of something it appears to move to the right. True enough but if I follow that logic then holding down a cursor key should "appear" to move the object out of shot and eventually round

---

behind me which ain't what happens.

What the manual is suggesting is that you are moving the aimpoint but that's what the <ALT> cursor combinations are for. What IS happening is that either you are moving the observer presumably by some form of recoil or retro rocket or the universe is rotating but you are not.

Anyway, the bottom line is it's confusing and counter intuitive so that you invariably end up looking at the wrong side of an object.

Would it be too much to ask to allow us the option of inverting the controls to a more natural mode? Please.

Another old friend from 1.4 that has been dismembered then re-animated as a powerful but difficult to control monster is the co-ordinate system now appearing on a screen near you as

"The Measuring Window!" (FX woman screaming)

God I hate this window. It's big, it's bugged and (I may be wrong here) it doesn't seem to offer anything that the old ":" and ";" requesters couldn't manage.

The window is just big enough to get in the way all the time. I could live with this if it made my life a lot easier but I've yet to see it prove it's worth. The bug I mentioned occurs when you have more than one view window open. click in a view window then create a rectangle By typing the coordinates into the X,Y,Z gadgets of the measuring window. regardless of which view you selected the wireframe preview will be drawn on the most recently opened view window which may well be hidden behind something else.

You could argue that you don't actually need to see what you are doing but then that argument leads to scrapping the visual interface and doing your model making with a text editor. Oh what fun.

Now try creating a circle with a given radius ...ah , you've got to switch to using polar coordinates, of course how silly of me.

Do me a favour, things were very simple with 1.4 and rightly so. All you needed to draw a circle was a centre point and a radius. The program already knew it was creating a circle and did the rest.

OK, I suppose if I had a brain the size of a planet, lots of graph paper and the spatial awareness of a test pilot I could create circles at all sorts of weird angles relative to the input plane but who really cares? Once again functionality has been brutally sacrificed for versatility

One last test, using the measuring window try to create a regular square based pyramid with the point directly above the center point. I've tried till I wept and without success. I'm sure it can be done but however it's achieved I'll bet it's a lot trickier than the two mouse clicks needed in 1.4

How do you create upright cones, pyramids or polymids in V2 anyway? Please can we have the old convention of clicking the Right mouse button to end the definition as a default object back in the next upgrade.

In 1.4 you had nice discrete little coordinates up on the title bar that were very useful. With the "relative" option selected you could (by keeping an eye

---

on the figures) create and modify, safe in the knowledge that the sides of your rectangles were a given length or that you were moving an object in one direction only etc. they were an invaluable aid to working accurately when using the mouse. If you needed to enter an exact coordinate you could, as well as angles and factors. the system worked beautifully.

There was only one very insignificant snag. If you treated R3D units as say, millimeters it was occasionally possible to end up with a model that was so large that you couldn't get it all in shot.

All that was needed was a system whereby one could draw a line and define it's length as say, 250 ft. Using this information the coordinates could then reconfigure so that when you created or modified in future they would be scaled relative to the keyline.

In V2 you can have on screen coordinates but they always seem to be "absolute" and purport to offer ludicrous accuracy. Even with the units set to "mm" you've still got four decimal places. Come on, be honest, how often do you have to work to an accuracy of a tenth of a micron! not that this actually means anything in modelling terms anyway.

Unless you can produce dimensioned drawings with Real or drive a super accurate lazer guided lathe this "virtual accuracy" is all rather pointless. Why not go the whole hog and include a nanometer option? It might be useful to a quantum mechanic (sic) but it would probably mean we'd all end up with 30 or so decimal places when using realworld units.

If the measuring window must stay could I make the following suggestions :

- 1) Use it to determine how the on screen coordinates work
- 2) Clear the gadgets automatically when you start typing in them
- 3) Make it smaller.( preferably 0.0001 mm square)
- 4) Include a default "R3D units" option
- 5) Make the " virtual accuracy" configurable
- 6) Include an option which closes the window and enables two hotkeys which replace the old style ";" and ":" requester keys.
- 7) Look into the scaling disparity when defining depth (is this right???) 8) Issue another manual section fully explaining it's use
- 9) Link the gadgets via the return and/or tab keys

My appologies if I seem overly sarcastic or irate but the final thing that pushed me over the edge was desperatly looking up the use of the N gadget in the "Reference" section of the manual (you know, the bit that's there to give you the facts) and reading the following facile drivel:

" The purpose of the N gadget varies from one function to another"

Do they think that's funny?

How and why does it vary ? what functions? Who's the flaming comedian?

I demand vengeance!!!

I've got loads more moans but you probably stopped reading this ages ago. Sorry for the increased phonebill I just needed to get this off my chest.

---

If anyone from Realsoft is out there reading this then please, Please get the V2 editor sorted out fast. Get the guy who did 1.4 give him a free hand then lock him in a room with a computer till it's done.

To end on a positive note:-

There is a lot to like about version 2.33

I like the new select window with all it's cut and paste and multi object select options. very useful.

The multiple materials handling is everything I could have wished for

The separate I/O system is wonderful and has proved invaluable

The new compound tools are superb

The ability to construct skewed primitives is a godsend

The new "shear" and "rotate and modify" funtions are a dream come true

Multiple camera views and a tilting observer make me very happy

I've only dabbled with the animation functions but I get the impression that I'm in for a Real treat. Its obvious that this is where all the work has gone. It's just such a crying shame that more time and effort couldn't have gone into the user interface.

REAL 1.4 was a program that understood that artists and programmers are rarely the same person. It was a program that "anyone" could use to achieve wonderful results. I hope and fervently pray that when the dust finally settles we will have a version of REAL2 that embraces this philosophy. It mustn't be hijacked by boffins who are more interested in numbers and technical wizardry than producing beautiful pictures.

Goodbye 1.4 old friend, for better or worse V2 is the future.

"It's better to have loved and lost than never to have loved at all"

Chris

PS. I have returned

PPS. Just as well "Amiga Computing" didn't take me up on my offer to review real2 for them. I could have done more damage to sales than Activa.

PPPS. Sorry Andy, not another word on the subject. promise.

QUOTE OFF -----

John .. InterNet - john@heights.demon.co.uk

---

FidoNet - 2:253/510.9

## 1.153 item149

From brendan@ucc.gu.uwa.edu.au Mon May 24 05:48:15 1993  
From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>  
Subject: Re: R3Dv2 - a critique  
To: real3d@ucc.gu.uwa.edu.au  
Date: Sun, 23 May 1993 21:48:15 +0800 (WST)  
In-Reply-To: <9305231356.AA005c7@heights.demon.co.uk> from "John Shiali" at May 23, 93 09:13:23 pm ←

>  
> Forwarded from FIDO REAL_3D, by Chris Perigo....  
>  
> QUOTE ON -----  
>  
> As you might have guessed I've got my Realv2 upgrade and ,I promise you, It  
> gives me no pleasure at all to say that I really don't like it very much.  
>  
> It IS Very powerful and impressive and can get results that 1.4 couldn't  
> but....  
  
> I realise it's early days yet and that given time I'll learn how to "play the  
> system" in order to get the results I want, but I don't want to "play the  
> system", I just want to get on with the job.

This statement worries me more than any other statement that follows.. I  
still dont have my upgrade of Real3D .

> There is a strong smell of "too many cooks" about V2 and one is put in mind  
> of the definition of a camel ie "a horse designed by a committee"

Well the persons involved in writing it are two brothers, and it is still  
their child. Im sure that they will be very interested when they read  
this article.

> It seems to me that the development team have concentrated exclusively on  
> getting the new features up and running then have absent mindedly thrown the  
> 1.4 baby out with the bathwater. They've obviously never come across the  
> phrase "If it ain't broke don't fix it!"

I know people that use Real3D V1.4 and have asked me if they should upgrade.  
The problem with the new version is that it is just too complicated. Not  
everyone that used the previous version will even come close to understanding  
the new features/workings of V2. It really is a completely new program,  
written from scratch, and YES they have been concentrating on getting the  
program up and running.

> Speaking of key presses who is responsible for the default keyboard shortcuts  
> and have they sobered up yet?  
>  
> If the measuring window must stay could I make the following suggestions :  
>  
> 1) Use it to determine how the on screen coordinates work

---

> 2) Clear the gadgets automatically when you start typing in them

Right Amiga X should do that. (Yes I know what a stupid combination, Macintosh users have the Right Amiga on the Left side and this combination works much better from there)

> [other points omitted]

> REAL 1.4 was a program that understood that artists and programmers are  
> rarely the same person. It was a program that "anyone" could use to achieve  
> wonderful results. I hope and fervently pray that when the dust finally  
> settles we will have a version of REAL2 that embraces this philosophy. It  
> mustn't be hijacked by boffins who are more interested in numbers and  
> technical wizardry than producing beautiful pictures.

>

> Goodbye 1.4 old friend, for better or worse V2 is the future.

>

> "It's better to have loved and lost than never to have loved at all"

>

>

> Chris

--

Brendan Langoulant

brendan@gu.uwa.edu.au

## 1.154 item150

From amipb@amipb.gna.org Sun May 23 23:48:45 1993

Date: Thu, 20 May 93 11:56:59 MET

In-Reply-To: <9305180455.AA14289@uu.psi.com>

(from swhitenn@reach.com (Shayne White -- BA/ITAS - Boston))

(at Mon, 17 May 1993 20:44:10 -0800)

From: amipb@amipb.gna.org (Philippe Berard)

To: real3d@ucc.gu.uwa.edu.au

Subject: Re: ok...

Hello Shayne (Shayne White -- BA/ITAS - Boston). On May 17, you have written :

> Having used both Imagine and Real3D 2, I'd say go with Real3D . It  
> has a great (and VERY powerful) modeler and is pretty quick. It

It's not quick enough, IMHO, with curve-based objects (see previous post concerning the 2 glasses scene)

> also has a lot of render options. Both have a learning curve, but  
> Real3D allows you to tailor your environment to a higher degree

Yes, Imagine's environment is quite static, but it has some great advantages, like : Move/Rotate/Size mode (allows you to do these tranformations in the 3 views at the same time, and then permitting quite precise 3D manipulations), a magnet mode to deform objects, and a faster (but less flexible) way to handle algorithmic textures ( Real3D uses a semi-compiled language to do this) and a fast scanline mode.

---

Real3D 2.0 is really cool if you have a fast processor (at least a '030) and is surely far better than Imagine when it comes to animation control, and special artifacts like depth-of-field or motion-blur. It's also valuable for people who want to do animations using Newton's laws of physic, and for programmer who can use the RPL ( Real3D 's Programming Language) to suit their needs...

> than Imagine. Imagine has more support for 3rd Party objects,  
 > textures, etc. but then again Real3D 2 is a very new program. I'd  
 > say definitely go with Real3D if money isn't an issue (\$500 vs  
 > \$200). It is the better program.

It is surely a better program, but Imagine steel keeps some advantages. In fact, it depends what you want to have : the old, robust and well known Imagine, or the new, shiny but less stable Real3D ?

Hope this helps.

Regards,

-- Philippe

```

-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
-----

```

## 1.155 item151

From john@heights.demon.co.uk Sun May 23 18:29:20 1993  
 Date: Sun, 23 May 93 18:29:20 GMT  
 Reply-To: john@heights.demon.co.uk  
 From: John Shiali <john@heights.demon.co.uk>  
 Subject: YET another bug?

Is it just me? The tutorial on making the table on page 1.9 (ish) if you call up the colour screen, you can't see what you are drawing after that, as the program uses the same colour as background to draw with, even though it show on the render (I'm using a four colour 2 bitplane modelling screen)

John .. InterNet - john@heights.demon.co.uk  
 FidoNet - 2:253/510.9

## 1.156 item152

From amipb@amipb.gna.org Mon May 24 02:47:46 1993  
 Date: Thu, 20 May 93 12:15:01 MET  
 In-Reply-To: <CMM.0.90.2.737664119.lee@auriga.rose.brandeis.edu>  
 (from charles lee <lee@auriga.rose.brandeis.edu>)  
 (at Mon, 17 May 1993 20:47:36 -0800)



From: amipb@amipb.gna.org (Philippe Berard)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: ok...

Hello charles (charles lee). On May 17, you have written :

> [opinions about Caligari deleted]  
> The only nice thing is the interface. But Lightwave has an interface  
> which is easily better. And Real3D I've customized to fit me like  
> a glove.

I agree with your opinion, knowing people who use Caligari Broadcast professionally, they said that its price is far too expensive for what it does, and that it's not professional at all (even if the modeler is quite precise). BTW, the rendering time is quite short when you don't put shadows... I really like the Separate-IO mode of Real3D, it's one of the things from Caligari I've always wanted.

> Lightwave or Real3D . The only two options.

Lightwave comes with a too big dongle for us, PAL (and sometimes SECAM) users. So the competition is : Imagine or Real3D here.

Regards,

-- Philippe

```
-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
-----
```

## 1.157 item153

From amipb@amipb.gna.org Mon May 24 02:48:02 1993  
Date: Thu, 20 May 93 12:31:41 MET  
In-Reply-To: <9305171513.AA0068e@motship.hacktic.nl>  
(from pvdh@motship.hacktic.nl (Paul van der Heu))  
(at Mon, 17 May 1993 20:58:57 -0800)  
From: amipb@amipb.gna.org (Philippe Berard)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Activa email address (fwd)

Hello Paul (Paul van der Heu). On May 17, you have written :

> The reason is that there are FAR more people with modems then there are people  
> with usenet access. And getting an update from the BBS still is a lot cheaper  
> compared to expensive disk upgrades which would have to be between 30-50 US\$  
> to cover cost.

I don't really agree with all your statements.

First, most of the people having modems have a FidoNet access, allowing them to get free patches for the programs they bought, and it's surely not expensive at all for the companies using this policy.

Second, many people have InterNet access (not too much in Europe, though) or, at least, know of someone who has. If they have *just* UseNet access, they can do ftp-mail requests to ftpmail@dec.decwrl.com.

> nowhere is said you have a right to internet access by owning a registered  
> piece of software. Support is handled through the BBS and the fact activa  
> is present on usenet is an added bonus. Don't think the whole world is on  
> usenet, this is just a SMALL percentage.

Yes, but there is MANY people who can get the things which travel on the net ! :-)

> no, updates can only be gotten online with the BBS.

Do you know phone calls are quite expensive here, in France ? And is there any possibility to have our own Real3D support BBS here, with the right to distribute patches ?

> usenet is a LOT more expensive compared to the BBS!!

UseNet costs me nothing here (only local phone calls), but my mail/news feed is quite unstable (it's an association).

> the updates are approx 430K, with a 14k4 connect this takes around 5 minutes.  
> the cost would still be cheaper compared to getting a diskupgrade!

I'm sure it'll be hard to have a long-distance 14k4 connection, and even more if you have a SupraFaxModem (like I) ! :-)

Of course, I think Real3D 's support is far better from Impulse's, but it's in the human nature to try to always do better ! ;-)

Sincerely,

-- Philippe

```
.-----  
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |  
| "They hold a cup of wisdom, | -> Please don't send mails |  
| But there is nothing within" (Kate Bush). | >50 Ko ! |  
'-----
```

## 1.158 item154

From CarmenR@cup.portal.com Sun May 23 09:59:52 1993  
Return-Path: <CarmenR@cup.portal.com>  
From: CarmenR@cup.portal.com  
Subject: Aspect Ratio  
Date: Sun, 23 May 93 16:59:52 PDT

Charles,

Thanks for the info on the aspect ratios! My guesstimate wasn't too far off.

---

> (BTW, glad to see you're playing with Real3D !)

Glad to be using it! Pretty soon, it won't just be playing tho. As soon as I'm confident enough with Real3D, I'll feed Imagine to the sharks and use Real3D v2 for my clients. I'm sure they'll be pleased.

CarmenR - Crazy Artist  
CarmenR@cup.portal.com

## 1.159 item155

From CarmenR@cup.portal.com Sun May 23 10:04:26 1993  
Return-Path: <CarmenR@cup.portal.com>  
From: CarmenR@cup.portal.com  
Subject: More questions on Real3D  
Lines: 19  
Date: Sun, 23 May 93 17:04:26 PDT

Carmen here again.. Got a few more questions on Real3D ..

Version 2 that is.. Black gold, Texas T...

1> Is there away to import a single bitplane IFF as an object? You know, like Imagine does? I've found this feature to be invaluable in Imagine. I would think it would be as simple as Real's font importing thingy.

2> Where is that font-importing thingy anyhow?

3> I read in a teaser text file for Real3D that it did lens-flare. Is this true? If so, where is it?

4> Motion blur.. In the refererance manual it says Motion blue will work if Sampling is higher than 0 in the rendering settings window [Amiga-s]. Sampling? I don't see no Sampling. Help!

CarmenR - Crazy Artist  
CarmenR@cup.portal.com

## 1.160 item156

From lee@auriga.rose.brandeis.edu Sun May 23 16:34:38 1993  
Date: Sun, 23 May 93 20:34:38 EDT  
From: charles lee <lee@auriga.rose.brandeis.edu>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Aspect Ratio  
In-Reply-To: Your message of Mon, 24 May 1993 08:13:12 +0800

>Clients

There is one thing with Real3D . Not Fast... even on my 28Mhz 040. With carefull optimization, it will do renders quite well in a reasonable time. (For instance, I'm avoiding brilliance and

---

pumping up the specular instead, common Imagine trick...)

Darn, I wish I got the PP&S Mercury board, when my G-Force does any access to motherboard... it slows down a bit... :(

See you on IRC!

-Charles Lee - Molecular Biologist Supreme.  
lee@auriga.rose.brandeis.edu

## 1.161 item157

From CarmenR@cup.portal.com Sun May 23 21:18:51 1993  
Return-Path: <CarmenR@cup.portal.com>  
From: CarmenR@cup.portal.com  
Subject: UNDO  
Date: Mon, 24 May 93 04:18:51 PDT

Hi all.. Carmen here again..

Is it just me, or does Real3D v2 NOT save the UNDO ACTIVE setting when you save your environment? I'm using v2.30

CarmenR - Crazy Artist  
CarmenR@cup.portal.com

## 1.162 item158

From lee@auriga.rose.brandeis.edu Mon May 24 03:55:31 1993  
Date: Mon, 24 May 93 7:55:31 EDT  
From: charles lee <lee@auriga.rose.brandeis.edu>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: UNDO  
In-Reply-To: Your message of Mon, 24 May 1993 19:29:29 +0800

>Is it just me, or does Real3D v2 NOT save the UNDO ACTIVE setting when  
>you save your environment? I'm using v2.30

Yep... The latest version I have 2.33 doesn't save the Undo Active setting either. I guess they'll get around to fixing that; that is trivial compared to some other things I've asked them to look at.

Such as,

Remember in Imagine, when you hit 'return' it brought your cursor to the next field. Well... when I'm using the measuring window, it doesn't do that so I have to MANUALLY click on the goddamn text box and type in the next number. Grrr...

BTW, call up their BBS (The number is on the first or second page of the manual.) and send in your registration card. Once they let you into registered users conference, you can download the

latest version, 2.33. I asked them whether I could place it up on an ftp site and BBS's, but they want only registered users to get it... doesn't make too much sense, as the program is useless without the dongle (please don't mention those cracked versions.)

```
-Charles Lee, The Mighty MIGHTY Martyr.  /////\
lee@auriga.rose.brandeis.edu              C o.o
IRC: r3d                                  \___/ -"Fortress AMIGA!"
```

## 1.163 item159

From oldfox@rieska.oulu.fi Mon May 24 18:37:40 1993  
Date: Mon, 24 May 93 15:37:40 +0300  
From: oldfox@rieska.oulu.fi (Panu Hassi)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: UNDO

>Remember in Imagine, when you hit 'return' it brought your cursor  
>to the next field. Well... when I'm using the measuring window, it  
>doesn't do that so I have to MANUALLY click on the goddamn text  
>box and type in the next number. Grrr...

When I read this I wondered if it used TAB instead. So I decided to try...  
open the measurement window, type in a number, press TAB ->  
a requester tells me that an internal error has happened... :(

I don't know about other people, but IMO the program should have been tested quite a bit more. This isn't exactly the first error like this that I've encountered so far (and I'm only using the program now and then at the university). Instead of adding new features just before releasing the program they should have tested, tested and once again, tested the product.

Panu Hassi

## 1.164 item160

From pvdh@motship.hacktic.nl Tue May 25 08:56:10 1993  
for ucc.gu.uwa.edu.au!real3d  
Date: Mon, 24 May 93 13:45:50 CET  
In-Reply-To: <9305192018.AA0057b@heights.demon.co.uk>  
(from John Shiali <john@heights.demon.co.uk>)  
(at Thu, 20 May 1993 03:42:11 +0800)  
Reply-To: pvdh@motship.hacktic.nl  
From: pvdh@motship.hacktic.nl (Paul van der Heu)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Real3D vs. Caligari vs. others

Hi John (John Shiali), in <9305192018.AA0057b@heights.demon.co.uk> on May 20 you wrote:

> > I really hope to see a PAL-Toaster soon :-)

---

>  
 > Don't think you will - friend of a friend who works for NewTek (names  
 > changed to protect the innocent) says that they will never make a PAL  
 > toaster because they are just making so much money hand over fist from  
 > the US market, they don't have to bother!

Well, your friend is wrong, from talks I had with NewTek people I understood a PAL toaster would mean a COMPLETE redo of the thing since it is designed as a NTSC device.. Besides contrary to the US, composite video is not seen as a professional broadcast quality in Europe. YUV or RGB is required. The toaster is composite video so would not be upto European broadcast specs anyway.

--

Paul van der Heu, The MotherShip Connection running DLG BB/OS  
 Home of cOmCOn Productions, Amiga Multimedia in a BIG way  
 FIDO - 2:280/207.0 , UUCP - pvdh@motship.hacktic.nl

AQUA BOOGIE BABY !! (Psycoalphadiscobetabioaquadolloop) - Parliament

## 1.165 item161

From bbrown@casca.bll.ingr.com Mon May 24 15:33:26 1993  
 From: bbrown@casca.bll.ingr.com (Bailey Brown)  
 Subject: Re: Real3D vs. Caligari vs. others  
 To: real3d@ucc.gu.uwa.edu.au  
 Date: Mon, 24 May 93 20:33:26 CDT  
 In-Reply-To: <9305241245.AA0071v@motship.hacktic.nl>; from "Paul van der Heu" at ↵  
 May 25, 93 9:00 am

> Hi John (John Shiali), in <9305192018.AA0057b@heights.demon.co.uk> on May 20 you ↵  
 wrote:

>  
 > > I really hope to see a PAL-Toaster soon :-)  
 > >  
 > > Don't think you will - friend of a friend who works for NewTek (names  
 > > changed to protect the innocent) says that they will never make a PAL  
 > > toaster because they are just making so much money hand over fist from  
 > > the US market, they don't have to bother!

>  
 > Well, your friend is wrong, from talks I had with NewTek people I understood  
 > a PAL toaster would mean a COMPLETE redo of the thing since it is designed as  
 > a NTSC device.. Besides contrary to the US, composite video is not seen as a  
 > professional broadcast quality in Europe. YUV or RGB is required. The toaster  
 > is composite video so would not be upto European broadcast specs anyway.

This composite/Toaster thing has me really confused, so could someone please help. It is my impression that here in the U.S., broadcast quality is considered to be one or more of the following depending on who you are talking to:

a: 1" component/BetaSP/LaserDisk  
 b: 3/4" Umax SP  
 c: S-Video (S-VHS/Hi-8)

---

But nobody ever says composite NTSC is broadcast quality, but yet I hear about TV shows done on the Toaster (granted, these usually turn out to be cable chanel 99 tv shows on some obscure topic in some distant part of the country). So if the Toaster is not broadcast quality, what are all these toaster users using them for?

-----

Bailey Brown  
Intergraph Corporation  
bbrown@casca.bll.ingr.com

"Above all else, confusion reigns."

Procol Harum

## 1.166 item162

From john@heights.demon.co.uk Tue May 25 08:27:54 1993  
Date: Tue, 25 May 93 08:27:54 GMT  
In-Reply-To: <9305241245.AA0071v@motship.hacktic.nl>  
(from Paul van der Heu <pvdh@motship.hacktic.nl>)  
(at Tue, 25 May 1993 09:00:12 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Real3D vs. Caligari vs. others

Hi Paul (Paul van der Heu), on May 25 you wrote:

> > Don't think you will - friend of a friend who works for NewTek (names  
> > changed to protect the innocent) says that they will never make a PAL  
> > toaster because they are just making so much money hand over fist from  
> > the US market, they don't have to bother!  
>  
> Well, your friend is wrong, from talks I had with NewTek people I understood  
> a PAL toaster would mean a COMPLETE redo of the thing since it is designed as  
> a NTSC device.. Besides contrary to the US, composite video is not seen as a

Umm, yeah, so there will never be a PAL toaster...

John ..    InterNet    - john@heights.demon.co.uk  
            FidoNet    - 2:253/510.9

## 1.167 item163

From Peter.Sjostrom@ludd.luth.se Tue May 25 17:25:41 1993  
From: Peter.Sjostrom@ludd.luth.se  
Subject: Re: Real3D vs. Caligari vs. others  
To: real3d@ucc.gu.uwa.edu.au  
Date: Tue, 25 May 1993 15:25:41 +0200 (MET DST)  
In-Reply-To: <9305250827.AA005dj@heights.demon.co.uk> from "John Shiali" at May 25, 93 03:54:06 pm  
Reply-To: Peter.Sjostrom@ludd.luth.se

Never say never! There will be no PAL Toaster the next few years. I talked to OpalTech about Opalvision, they assure that the quality of Opalvision will be true broadcast quality. I think NewTek must make something better than Toaster 4000 to keep up.

/Peter

## 1.168 item164

From Peter.Sjostrom@ludd.luth.se Tue May 25 17:34:11 1993  
From: Peter.Sjostrom@ludd.luth.se  
Subject: Re: Real3D vs. Caligari vs. others  
To: real3d@ucc.gu.uwa.edu.au  
Date: Tue, 25 May 1993 15:34:11 +0200 (MET DST)  
In-Reply-To: <199305250133.AA10274@casca.bll.ingr.com> from "Bailey Brown" at May 25, 93 09:31:59 am ↵  
Reply-To: Peter.Sjostrom@ludd.luth.se

>  
> This composite/Toaster thing has me really confused, so could someone  
> please help. It is my impression that here in the U.S., broadcast quality  
> is considered to be one or more of the following depending on who you are  
> talking to:  
>  
> a: 1" component/BetaSP/LaserDisk  
> b: 3/4" Umax SP  
> c: S-Video (S-VHS/Hi-8)  
>  
> But nobody ever says composite NTSC is broadcast quality, but yet I hear  
> about TV shows done on the Toaster (granted, these usually turn out  
> to be cable channel 99 tv shows on some obscure topic in some distant  
> part of the country). So if the Toaster is not broadcast quality, what  
> are all these toaster users using them for?

Broadcast quality is as misused as true colour. Speaking professional terms, broadcast quality is using beta equipment with components, not composite. Speaking use, the Toaster can be used for broadcasting.

Second issue is TV standard. NTSC is not as good as PAL and therefore can the Toaster come closer to broadcast quality with a lower quality. I prefer to call beta equipment broadcast quality and SVHS/Hi8 and lower as medium quality or lower. Some good SVHS/Hi8 stuff comes close, but is distinctable.

/Peter

## 1.169 item165

From mark@westford.ccur.com Tue May 25 05:31:16 1993  
To: real3d@ucc.gu.uwa.edu.au  
Cc: mark@westford.ccur.com  
Subject: Broadcast video (was Re: Real3D vs. Caligari vs. others )

---



In-Reply-To: Your message of Tue, 25 May 93 09:33:07 +0800.  
 <199305250133.AA10274@casca.b11.ingr.com>  
 Date: Tue, 25 May 93 09:31:16 EDT  
 From: Mark Thompson <mark@westford.ccur.com>

> It is my impression that here in the U.S., broadcast quality  
 > is considered to be one or more of the following depending on who you are  
 > talking to:  
 > a: 1" component/BetaSP/LaserDisk  
 > b: 3/4" Umax SP  
 > c: S-Video (S-VHS/Hi-8)  
 > But nobody ever says composite NTSC is broadcast quality,

First, keep in mind that you are talking about two different things: recording media and video signal format. Composite NTSC is a video signal format and no matter how high end the production, all US broadcast video must be converted to composite NTSC before it is transmitted to you. So to say that composite NTSC is not broadcast quality is ludicrous. The problem is that every time the video signal is processed/recorded, it degrades in quality. Therefore the idea is to keep it in the highest affordable signal quality format until it is actually broadcast. Also note that different types of processing elements introduce different amounts of signal degradation. VTRs are typically one of the greatest sources of signal degeneration so it is important that higher quality media be used, especially when multiple generations will be involved. But video switching equipment (which is what the Toaster is) is generally not nearly as destructive to the signal. Consequently, if used intelligently, the Toaster can certainly be used in broadcast applications and maintain a high degree of quality.

As for recording media for broadcast, it does vary a great deal but BetaSP, D1, D2, and 1" are all fairly common for the major networks. 3/4 SP is now more common in the cable channels. S-VHS/Hi-8 are generally unacceptable for broadcast because they don't hold up well under multiple generations. This doesn't mean they aren't used at all. Hi-8 is used frequently for low cost aquisition.

Finally, Lightwave is media independant and need not rely on the Toaster composite output. Most of the highend productions done with Lightwave were directly dumped to Exabyte tape, unloaded onto an Abekas, and then recorded directly to D1. You can't get any better than that.

```
%~~~~~%
%      '      '      Mark Thompson      CONCURRENT COMPUTER  %
%  ----* RADIANT *----  mark@westford.ccur.com      Principal Graphics  %
%      ' Image '      ...!uunet!masscomp!mark      Hardware Architect  %
%      Productions      (508)392-2480 (603)424-1829  & General Nuisance  %
%~~~~~%
```

## 1.170 item166

From watters@cranel.com Tue May 25 06:37:54 1993  
 Date: Tue, 25 May 93 10:37:54 EDT  
 From: David Watters <watters@cranel.com>  
 To: real3d@ucc.gu.uwa.edu.au  
 Subject: Re: Real3D vs. Caligari vs. others

> From: Peter.Sjostrom@ludd.luth.se  
 > To: Multiple recipients of list <real3d@mackerel.gu.uwa.edu.au>

> Broadcast quality is as misused as true colour. Speaking professional  
 > terms, broadcast quality is using beta equipment with components, not  
 > composite. Speaking use, the Toaster can be used for broadcasting.

Broadcast _quality_ is totally subjective. The toaster conforms to the RS-170A spec with it's output signal. On scopes, it's output is well within the range considered good enough for broadcast. I have not seen such claims or figures from OpalVision _yet_.

Also, many...MANY production houses I have been to and atleast one station I have been to work with composite signals and not component.

> Second issue is TV standard. NTSC is not as good as PAL and therefore  
 > can the Toaster come closer to broadcast quality with a lower quality. I prefer  
 > to call beta equipment broadcast quality and SVHS/Hi8 and lower as medium  
 > quality or lower. Some good SVHS/Hi8 stuff comes close, but is distinctable.

NTSC not as good as PAL? It may have better color encoding, but 25fields/sec???  
 Come on! I have enough eye strain as it is!  
 They both suck!

There are a lot of stations that are not using Betacam or any of the digital formats. Hell, I am forced to watch StarTrak TNG in mono off of 3/4" Umatic, as the fox station here in Columbus SUCKS!!!  
 There are many smaller stations going to broadcast grade (another vague term) SVHS, though I believe most commercial people stay away from Hi8 due to it's drop out problems.

> /Peter

```
David    ~  . _ _ _ _ _ | @, _ _
Watters  ~  ( ) - _ _ _ _ _ - ( ) ` -
```

--

David R. Watters (watters@craanel.com) Cranel Inc. Development & Engineering  
 "Porsche. The very name is, to many, the last word in sports cars. Any car  
 blessed with these magic seven letters is sure to be the very best. Period!"  
 - Car and Driver, January 1993

## 1.171 item167

From bbrown@casca.bll.ingr.com Tue May 25 05:25:29 1993  
 From: bbrown@casca.bll.ingr.com (Bailey Brown)  
 Subject: Re: Broadcast video (was Re: Real3D vs. Caligari vs. others )  
 To: real3d@ucc.gu.uwa.edu.au  
 Date: Tue, 25 May 93 10:25:29 CDT  
 In-Reply-To: <9305250931.aal0495@hubbub.westford.ccur.com>; from "Mark Thompson" ←  
 at May 25, 93 9:37 pm

>

> As for recording media for broadcast, it does vary a great deal but BetaSP,  
> D1, D2, and 1" are all fairly common for the major networks. 3/4 SP is now  
> more common in the cable channels. S-VHS/Hi-8 are generally unacceptable  
> for broadcast because they don't hold up well under multiple generations.  
> This doesn't mean they aren't used at all. Hi-8 is used frequently for low  
> cost aquisition.

My only interaction with videotape is single-frame recording to a Sony EVO-9650 Hi-8 (I did my first recording today). It seems that this is more akin to aquisition than to editing (I know the head moves around alot, but it is still first generation). So would animations recorded to Hi-8 then duped to BetaSP for editing be broadcast quality?

>  
> Finally, Lightwave is media independant and need not rely on the Toaster  
> composite output. Most of the highend productions done with Lightwave were  
> directly dumped to Exabyte tape, unloaded onto an Abekas, and then recorded  
> directly to D1. You can't get any better than that.

How do they do that? Does Lightwave use the Abekas' native YUV format, or are their utilities that convert from some well-known RBG file format to Abekas YUV? I've talked to some guys on CI\$ who are trying to figure out how to get from 24bit Targa files to their Abekas either on Exabyte or over ethernet.

-----

Bailey Brown  
Intergraph Corporation  
bbrown@casca.bll.ingr.com

"Above all else, confusion reigns."

Procol Harum

## 1.172 item168

From trb3@Ra.MsState.Edu Tue May 25 05:30:29 1993  
Date: Tue, 25 May 1993 10:30:29 -0500  
From: "Tony R. Boutwell" <trb3@Ra.MsState.Edu>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Real 3D upgrades

Hi.... Well for the last 2 weeks I have been trying <--- to get Real3D V2 but no one seems to have it...I called all the mail-order companies that were listed in Amiga World, and they all said it was on back-order. I even called North American Distributor and he said it would be 10 or more days before he would have any....

So...Does anyone know of where I could buy this program and have it here within 2-3 days... I am doing a special problems class in 3D and I need the program before it starts thursday.

Thanks for your help. Oh I have seen drastically different prices for it also... ranging from 379.00 all the way to 499.00.

Anything in that price range is fine.

---

Tony Boutwell  
trb3@ra.msstate.edu  
(601)-324-7433

## 1.173 item169

From mark@westford.ccur.com Tue May 25 10:03:15 1993  
To: real3d@ucc.gu.uwa.edu.au  
Cc: mark@westford.ccur.com  
Subject: Re: Broadcast video (was Re: Real3D vs. Caligari vs. others )  
Date: Tue, 25 May 93 14:03:15 EDT  
From: Mark Thompson <mark@westford.ccur.com>

Bailey Brown writes:

> My only interaction with videotape is single-frame recording to a  
> Sony EVO-9650 Hi-8. So would animations recorded to Hi-8 then duped  
> to BetaSP for editing be broadcast quality?

Ultimately, it is your client that will decide whether or not the quality is sufficient. For animation, the 9650 and the 7750 are pretty low end and may not be suitable for broadcast applications. But as I said, your client will have to decide if it meets his/her needs. My clients usually demand something better. I have mostly used recordable video discs but I'm starting to believe that the DPS Personal Animation Recorder will do a better job because it has Betacam outputs and is free of "snits" (occasional impulse noise that can show up on video discs that look sorta like dropouts). I'm really looking forward to evaluating one of these units. But D1 will remain my means for high end output.

> How do they do that? Does Lightwave use the Abekas' native YUV format,  
> or are their utilities that convert from some well-known RGB file format  
> to Abekas YUV?

Lightwave allows you to create animation with D1 resolution and aspect ratio which then must be converted to the Abekas YUV format. There are two solutions here that I am aware of. ImageFX will convert to the Abekas YUV format which may then be transferred to the Abekas via ethernet. If you do not have the Abekas connected locally, you must archive the files to an Exabyte tape which may then be loaded into an Abekas. To do this, ASDG makes a driver for ADPro which does the YUV conversion and controls the Exabyte drive. Contact ASDG or GVP for more details.

Hope this helps.

```
%~~~~~%
%      \      /      Mark Thompson      CONCURRENT COMPUTER  %
%  ---==*  RADIANT  *---  mark@westford.ccur.com      Principal Graphics  %
%      /  Image  \      ...!uunet!masscomp!mark      Hardware Architect  %
%      Productions      (508)392-2480 (603)424-1829    & General Nuisance  %
%~~~~~%
```

## 1.174 item170

From agrawaxml50@clvax1.cl.msu.edu Sat May 25 09:44:00 1993  
Date: 25 May 93 14:44:00 EST  
From: "CPS 115 Student Account" <agrawaxml50@clvax1.cl.msu.edu>  
Subject: Toaster/Component Video  
To: "real3d" <real3d@ucc.gu.uwa.edu.au>

Regarding the Toaster outputting composite video...

In the April/May issue of Desktop Video World, there is a review of a product that works with the Toaster to generate component (Y/C) output instead of the standard composite... But with a list price of \$949, I guess trying to work something like that into a PAL Toaster would make it considerably more expensive...

## 1.175 item171

From bbrown@casca.bll.ingr.com Tue May 25 09:26:23 1993  
From: bbrown@casca.bll.ingr.com (Bailey Brown)  
Subject: Re: Broadcast video (was Re: Real3D vs. Caligari vs. others )  
To: real3d@ucc.gu.uwa.edu.au  
Date: Tue, 25 May 93 14:26:23 CDT  
In-Reply-To: <9305251403.aal1266@hubbub.westford.ccur.com>; from "Mark Thompson" ↔  
at May 26, 93 2:09 am

Mark,

Thanks. Could you explain Dn a little bit? What are the differences between D1, D2, 1" and BetaSP. The only one I have a (slight) grasp on is BetaSP.

-----  
Bailey Brown  
Intergraph Corporation  
bbrown@casca.bll.ingr.com

"Above all else, confusion reigns."

Procol Harum

## 1.176 item172

From mark@westford.ccur.com Tue May 25 12:29:39 1993  
To: real3d@ucc.gu.uwa.edu.au  
Cc: mark@westford.ccur.com  
Subject: Re: Broadcast video (was Re: Real3D vs. Caligari vs. others )  
In-Reply-To: Your message of Wed, 26 May 93 03:32:12 +0800.  
<199305251926.AA00452@casca.bll.ingr.com>  
Date: Tue, 25 May 93 16:29:39 EDT  
From: Mark Thompson <mark@westford.ccur.com>

> Could you explain Dn a little bit? What are the differences  
> between D1, D2, 1" and BetaSP.

---

I'm no video expert (I only know what I need to for my job and business)  
 but the quick and dirty answer is:  
 D1 - digital component (YCbCr)  
 D2 - digital compostite  
 D3 - a cheaper version of D2  
 1" - analog color under composite (I may be wrong about being composite)  
 BetaSP - analog component (YPbPr)  
 Hi-8/S-VHS - analog color under separate (Y/C) not really component  
 MII - analog component (YPbPr)  
 Digital Betacam - digital component (I'm not sure how this differs from D1)

If this is not enough info, I have a compilation of messages from Charles Poynton (a real video expert who occasionally posts to rec.video and comp.graphics) which describes in gruesome detail more technical stuff than you would ever care to know about YUV, NTSC, RGB, resolution, YCbCr, CCIR 601, etc, etc. The newsgroup rec.video.production is a good place to get this kind of info.

```
%~~~~~%
%      '      '      Mark Thompson      CONCURRENT COMPUTER  %
%  ---* RADIANT *---  mark@westford.ccur.com      Principal Graphics  %
%      ' Image '      ...!uunet!masscomp!mark      Hardware Architect  %
%      Productions      (508)392-2480 (603)424-1829  & General Nuisance  %
%~~~~~%
```

## 1.177 item173

From CarmenR@cup.portal.com Tue May 25 06:47:39 1993  
 Return-Path: <CarmenR@cup.portal.com>  
 From: CarmenR@cup.portal.com  
 Subject: Re: Real3D vs. Caligari vs. others  
 Date: Tue, 25 May 93 13:47:39 PDT

David R. Waters writes....

> NTSC not as good as PAL? It may have better color encoding, but 25fields/  
 > sec?

David,

I'm pretty sure PAL is 25 frames per second, which would yield 50 frames per second. Just as NTSC is 30 frames per second, yielding 60 fields per sec. Movies on film is only 24 frames per second. The motion on film is convincing enough for me, so I don't see how PAL would be worse.

CarmenR - Crazy Artist  
 CarmenR@cup.portal.com

## 1.178 item174

From amipb@amipb.gna.org Wed May 26 06:07:11 1993  
 Date: Sun, 23 May 93 21:41:49 MET  
 In-Reply-To: <9305210506.AA08413@zombie.oulu.fi>  
               (from eha@zombie.oulu.fi (Esa Haapaniemi))  
               (at Thu, 20 May 1993 21:27:07 -0800)  
 From: amipb@amipb.gna.org (Philippe Berard)  
 To: real3d@ucc.gu.uwa.edu.au  
 Subject: Re: Speed of rendering

Hello Esa (Esa Haapaniemi). On May 20, you have written :

> The 2 glasses example is done with B-splines, and very accurate as it. And  
 > those are always slower to render than doing everything with other kind  
 > of objects. I think you can get to some 5 minutes with making your scene  
 > optimal before rendering (with Real3D I mean, and using the A4000).

What do you mean by "making your scene optimal" ? I've found that the original scene was set to : Shadowless, anti-aliasing 2 and recursions 6, which should be quite accurate for 2 glasses, a liquid and a mirror under. How do you do to go as fast as a 5 minutes rendering ?

I have said that I put exactly the same things in Imagine (well, I didn't bother to do a perfect liquid, though ! :-) )

> What kinds of scientific purposes do you have in mind ? Newtonian laws are  
 > not very specific in chemistry or physics, maybe they could be used in  
 > astronomy...

The RPL language is a good tool (still not perfect, IMHO, but I know that Vesa will improve it :-) ) to program simulations (it's always done like this, even on workstations, even if some modules help you sometime).

BTW, doesn't someone of the list actually program an RPL tool to do some kind of chemistry simulation ?

> Read you more ?

Why not ? ;^)

Regards,

-- Philippe

```

.------.
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
\-----/

```

## 1.179 item175

From amipb@amipb.gna.org Wed May 26 06:07:44 1993  
 Date: Sun, 23 May 93 21:51:43 MET  
 In-Reply-To: <9305211007.AA27406@rieska.oulu.fi>  
               (from oldfox@rieska.oulu.fi (Panu Hassi))

(at Fri, 21 May 1993 02:50:55 -0800)

From: amipb@amipb.gna.org (Philippe Berard)

To: real3d@ucc.gu.uwa.edu.au

Subject: Re: Real 3D upgrades

Hello Panu (Panu Hassi). On May 21, you have written :

> The news about the next version with all the bug fixes and new features sounds  
> great! Does anyone have ideas on how to send email to the author? I have some  
> ideas that could make the program just a little bit better...

Having sent many suggestions to Esa H. (are you still alive, Esa ? ;- )  
I suggest that we should post our suggestions to the list and that  
someone collects/classifies them to then send them to Vesa.

Why ? Because receiving many suggestions from everywhere would really  
slow Vesa in his "perfect program" research, and that something clear  
is **always** helpful.

Regards,

-- Philippe

```

-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
-----

```

## 1.180 item176

From amipb@amipb.gna.org Wed May 26 06:08:03 1993

Date: Sun, 23 May 93 21:11:48 MET

In-Reply-To: <9305210500.AA24170@uu.psi.com>

(from swhitenn@reach.com (Shayne White -- BA/ITAS - Boston))

(at Thu, 20 May 1993 20:49:27 -0800)

From: amipb@amipb.gna.org (Philippe Berard)

To: real3d@ucc.gu.uwa.edu.au

Subject: Re: Some impressions on

Hello Shayne (Shayne White -- BA/ITAS - Boston). On May 20, you have written :

> Philippe,  
> I too had problems with the glass scene. It took a long  
> time, and when rendering it to a ham file, the file is incomplete  
> or something - it won't load into any of my viewers. I only have  
> 7 megs of ram - maybe that's the problem?

Well, I'm glad to see that my mails arrive to this mailing-list, as my  
mail/news feed has had some big delivery problems. :-(

Well, memory is of course important for this kind of renderings (even  
if 2 glasses and 2 other objects (liquids) should be very fast to render  
with an Amiga 4000).

My tests have proved (at least, to me ;- ) that I can render this kind of



scene faster with Imagine and a 5Megs A2000 than with Real3D 2.0 '040  
on a 18Megs A4000 machine :-(

Of course, subdivided B-splines are much more powerful than polygons, but  
sometime you just need fast renderings, where polygons are perfect.

Regards,

-- Philippe

```

-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
-----

```

## 1.181 item177

From phillips@swanee.ee.uwa.oz.au Wed May 26 19:08:18 1993  
From: phillips@swanee.ee.uwa.oz.au (Christopher Phillips)  
Subject: Re: PAL vs NTSC  
To: real3d@ucc.gu.uwa.edu.au  
Date: Wed, 26 May 1993 11:08:18 +0800 (WST)  
In-Reply-To: <9305251437.AA00334@flash.cranel.com> from "David Watters" at May 25, ↵  
93 10:43:12 pm

>

> NTSC not as good as PAL? It may have better color encoding, but 25fields/sec???

Nonono. 50 fields per second, as any c64 owner will know (c64's do not  
interlace, hence get 50 frames per second,= 19684 cpu cycles/frame ;)

> Come on! I have enough eye strain as it is!

> They both suck!

Yes. I am very depressed; I have started noticing interlace flicker  
on 'natural' images. If only I hadn't started looking out for it in  
computer images, I might not have learned how to notice it so  
easily...

Christopher.

## 1.182 item178

From sycom!ad99s461@msen.com Tue May 25 18:59:43 1993  
Date: Tue, 25 May 93 23:59:43 EST  
From: ad99s461@sycom.mi.org (Alex Deburie)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: EGS LIBRARY

EGS Library? Is that something from GVP? Haven't tried it, to be honest. I  
did try contacting Retina, (they are local to me here in Michigan), and all  
they said was that if my program opens an Intuition screen that it would

support their board... Oh well...

I'll have to keep a look out for the EGS library... where did you get it?

Well, Vertex is coming along real nice, working away on manuals and last minute bugs... should be ready for market RSN.

Well, gotta run... nice hearing from ya...

-- Alex Deburie  
ad99s461@sycom.mi.org

## 1.183 item179

From eha@zombie.oulu.fi Wed May 26 14:08:23 1993  
From: eha@zombie.oulu.fi (Esa Haapaniemi)  
Subject: Re: Some impressions on  
To: real3d@ucc.gu.uwa.edu.au  
Date: Wed, 26 May 1993 11:08:23 +0300 (EET DST)  
In-Reply-To: <9305232011.AA00e4z@amipb.gna.org> from "Philippe Berard" at May 26, 93 06:16:30 am ↵

> > I too had problems with the glass scene. It took a long  
> > time, and when rendering it to a ham file, the file is incomplete  
> > or something - it won't load into any of my viewers. I only have  
> > 7 megs of ram - maybe that's the problem?

I didn't see any replies to this original mail, but the reason for this impossibility to read with viewers can come from the HAM and rendering either HR/overscan/Interlace, as the Real3D can produce all of these but not much viewers can show them...

> Well, I'm glad to see that my mails arrive to this mailing-list, as my  
> mail/news feed has had some big delivery problems. :-(

I haven't got your picture nor more mail during this week. Maybe they have vanished to great unknown ;)

> Well, memory is of course important for this kind of renderings (even  
> if 2 glasses and 2 other objects (liquids) should be very fast to render  
> with an Amiga 4000).

It really is !

> My tests have proved (at least, to me ;-) ) that I can render this kind of  
> scene faster with Imagine and a 5Megs A2000 than with Real3D 2.0 '040  
> on a 18Megs A4000 machine :-(

But if you are making the glasses from other than B-splines (primitives) then IMHO (I Must Have Opinion = I have not tried it), Real3D can be faster again.

> Of course, subdivided B-splines are much more powerful than polygons, but  
> sometime you just need fast renderings, where polygons are perfect.

---

And by thinking the scene beforehand and making optimization with the objects, everything runs again smoothly.

> -- Philippe

Read you more ?

Esa

## 1.184 item180

From eha@zombie.oulu.fi Wed May 26 14:18:03 1993  
From: eha@zombie.oulu.fi (Esa Haapaniemi)  
Subject: Re: Real 3D upgrades  
To: real3d@ucc.gu.uwa.edu.au  
Date: Wed, 26 May 1993 11:18:03 +0300 (EET DST)  
In-Reply-To: <9305232051.AA00e59@amipb.gna.org> from "Philippe Berard" at May 26, ←  
93 06:12:38 am

>>The news about the next version with all the bug fixes and new features sounds  
>>great! Does anyone have ideas on how to send email to the author? I have some  
>>ideas that could make the program just a little bit better...

>  
> Having sent many suggestions to Esa H. (are you still alive, Esa ? ;- )  
> I suggest that we should post our suggestions to the list and that  
> someone collects/classifies them to then send them to Vesa.

Panu Hassi is at the same university as I am, and we have already talked of this subject. I have tried to collect the most interesting texts and forward them to Vesa (on disk, and through my friend who is betatester). BUT he (my friend) got his A4000 last friday, and he was out of any Amigas for 3 weeks (what a suffering) and so Vesa couldn't receive the mails before. I'm waiting of his (Vesa's) comments during this week, and I'll give more mail to read on friday again. I still hope that he gets at least FidoNet connection as soon as possible (my freind is somewhat lazy and too busy with rendering commercial animations (still in highschool)).

> Why ? Because receiving many suggestions from everywhere would really  
> slow Vesa in his "perfect program" research, and that something clear  
> is *always* helpful.

But I cannot be the only connection ? I think Vesa reseives suggestions faster if they are directed to Aactiva. I'm already too overwhelmed with my own work, and I don't play/use/do anything with Real3D ... I can still continue this saving mails I have done so far, and you must accept the slowness.

> -- Philippe

Call me back ?

Esa Haapaniemi  
University of Oulu  
Department of Chemistry  
Finland

## 1.185 item181

From john@heights.demon.co.uk Wed May 26 08:05:08 1993  
Date: Wed, 26 May 93 08:05:08 GMT  
In-Reply-To: <199305251530.AA24274@Ra.MsState.Edu>  
(from "Tony R. Boutwell" <trb3@ra.msstate.edu>)  
(at Tue, 25 May 1993 23:28:43 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Real 3D upgrades

Hi Tony (Tony R. Boutwell), on May 25 you wrote:

> So...Does anyone know of where I could buy this program and have it here  
> within 2-3 days... I am doing a special problems class in 3D and I need  
> the program before it starts thursday.

Everyone should be out of stock - I heard that Aactiva had originally only expected to sell 400 copies world wide, hence they have been caught on the hop with the huge demand...

John ..     InterNet    - john@heights.demon.co.uk  
             FidoNet     - 2:253/510.9

## 1.186 item182

From dino%alex.com%"[193.128.2.65]"@post.demon.co.uk Wed May 26 18:04:07 1993  
Return-Path: <dino>  
Date: Wed, 26 May 93 10:55:33 BST  
From: Dino Fancellu <dino@alex.com>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Speed of rendering

> From: Philippe Berard <amipb@amipb.gna.org>

> Hello Esa (Esa Haapaniemi). On May 20, you have written :

>  
> > The 2 glasses example is done with B-splines, and very accurate as it. And  
> > those are always slower to render than doing everything with other kind  
> > of objects. I think you can get to some 5 minutes with making your scene  
> > optimal before rendering (with Real3D I mean, and using the A4000).

>  
>     What do you mean by "making your scene optimal" ? I've found that the  
>     original scene was set to : Shadowless, anti-aliasing 2 and recursions  
>     6, which should be quite accurate for 2 glasses, a liquid and a mirror  
>     under. How do you do to go as fast as a 5 minutes rendering ?

>  
>     I have said that I put exactly the same things in Imagine (well, I  
>     didn't bother to do a perfect liquid, though ! :-) )  
>     Why not ? ;^)

---

Well, you can cut rendering time considerably by using B-spline->phong, setting subdivisions down to 1, and judicious use of NOREFLECT. These kind of optimisations are detailed in the rendering section of the manual. What is silly is that the scene was set up to be so slow.

Dino.

## 1.187 item183

From oxleyd@dodo.logica.co.uk Wed May 26 18:38:18 1993  
Date: 26 May 1993 11:40:11 U  
From: "Oxley David" <oxleyd@dodo.logica.co.uk>  
Subject: Environments in Real3D 2.33  
To: "Real3D" <real3d@ucc.gu.uwa.edu.au>

I had v2.31 which lost details of any environment I saved. For example, I set up the External Screen library to dctv_r3d.library, set the Paths for the various directories etc. and saved the environment as S:real-startup. I quit Real and restarted the program. The environment it gave me had no external screen library name, no paths, no Undo active (it was before). So I upgraded to v2.33 thinking it would solve the problem. It doesn't seem to :( I even tried saving the environment under a different name and replacing it once inside Real. Still no joy.

Has anyone any ideas about which version of Real40 solves this annoying bug?

My config: A1500, w/b 2.04, 28MHz 68040 (RCS Fusion), 21MB RAM, 60MB HD, DCTV.

Thanks in advance,  
David Oxley.

## 1.188 item184

From eha@phoenix.oulu.fi Wed May 26 14:30:36 1993  
From: eha@phoenix.oulu.fi (Esa Haapaniemi)  
Subject: Re: Speeding of rendering  
To: real3d@ucc.gu.uwa.edu.au  
Date: Wed, 26 May 1993 15:30:36 -0100 (GMT-2:00)  
In-Reply-To: <9305260955.AA24049@woody.alex.com> from "Dino Fancellu" at May 26, ↵  
93 06:05:29 pm

>>> The 2 glasses example is done with B-splines, and very accurate as it. And  
>>> those are always slower to render than doing everything with other kind  
>>> of objects. I think you can get to some 5 minutes with making your scene  
>>> optimal before rendering (with Real3D I mean, and using the A4000).

>>

>> What do you mean by "making your scene optimal" ? I've found that the  
>> original scene was set to : Shadowless, anti-aliasing 2 and recursions  
>> 6, which should be quite accurate for 2 glasses, a liquid and a mirror  
>> under. How do you do to go as fast as a 5 minutes rendering ?

>

>> I have said that I put exactly the same things in Imagine (well, I

>> didn't bother to do a perfect liquid, though ! :-) )  
>> Why not ? ;^)  
>  
> Well, you can cut rendering time considerably by using B-spline->phong,  
> setting subdivisions down to 1, and judicious use of NOREFLECT. These  
> kind of optimisations are detailed in the rendering section of the  
> manual. What is silly is that the scene was set up to be so slow.

OK. Who gives the results of this rendering with those settings ? Is it still  
in hours or "just 5 minutes" ?

Esa Haapaniemi  
University of Oulu  
Finland

## 1.189 item185

From activa@motship.hacktic.nl Thu May 27 01:15:47 1993  
for ucc.gu.uwa.edu.au!real3d  
Date: Tue, 25 May 93 16:04:44 CET  
In-Reply-To: <199305250133.AA10274@casca.b11.ingr.com>  
(from bbrown@casca.b11.ingr.com (Bailey Brown))  
(at Tue, 25 May 1993 09:33:07 +0800)  
Reply-To: activa@motship.hacktic.nl  
From: activa@motship.hacktic.nl (Activa International)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Real3D vs. Caligari vs. others

Hi Bailey (Bailey Brown), in <199305250133.AA10274@casca.b11.ingr.com> on May 25 ↵  
you wrote:

> This composite/Toaster thing has me really confused, so could someone  
> please help. It is my impression that here in the U.S., broadcast quality  
> is considered to be one or more of the following depending on who you are  
> talking to:  
>  
> a: 1" component/BetaSP/LaserDisk  
> b: 3/4" Umax SP  
> c: S-Video (S-VHS/Hi-8)

Well, we have NTSC and PAL to begin with, NTSC is of less quality  
compared to PAL but as far as I have seen CVBS/NTSC looks better  
compared to component/NTSC (in comparisson to CVBS/PAL and component/PAL)

That might be why composite is receiving a much wider acceptance in the US  
as in Europe. Here anything below Y/C is not considered broadcast quality  
with Y/C being the minimum acceptable standard.

--

Activa International, Keienbergweg 95, 1101 GE Amsterdam, The Netherlands  
Phone 31 (0)20 6911914, FAX 31 (0)20 6911428, BBS 31 (0)20 6971880  
UUCP - activa@motship.hacktic.nl , FIDO 2:280/207.32

Once upon a time you could only Imagine, now it's time to get REAL

## 1.190 item186

From CarmenR@cup.portal.com Wed May 26 04:53:43 1993  
 Return-Path: <CarmenR@cup.portal.com>  
 From: CarmenR@cup.portal.com  
 Subject: Help.  
 Date: Wed, 26 May 93 11:53:43 PDT

Hi. Is this message getting through to everyone? Someone please respond to this message by quoting me.. Thanks.

CarmenR - Crazy Artist  
 CarmenR@cup.portal.com

## 1.191 item187

From watters@cranel.com Wed May 26 11:19:31 1993  
 Date: Wed, 26 May 93 15:19:31 EDT  
 From: watters <watters@cranel.com>  
 To: real3d@ucc.gu.uwa.edu.au  
 Subject: Re: Help.

```
> From real3d@mackerel.gu.uwa.edu.au Wed May 26 15:05:38 1993
> Date: Thu, 27 May 1993 02:48:28 +0800
> Reply-To: real3d@mackerel.gu.uwa.edu.au
> Originator: real3d
> Sender: real3d@mackerel.gu.uwa.edu.au
> From: CarmenR@cup.portal.com
> To: Multiple recipients of list <real3d@mackerel.gu.uwa.edu.au>
> Subject: Help.
> X-Listserver-Version: 6.0 -- UNIX ListServer by Anastasios Kotsikonas
> >
> Hi. Is this message getting through to everyone? Someone please respond to
> this message by quoting me.. Thanks.
>
> CarmenR - Crazy Artist
> CarmenR@cup.portal.com
>
```

No, I couldn't read it. There must be a problem somewhere.

```
David    ~  .___.
Watters  ~  \_--' |@,___
          ~  ( )-_____-() `-
```

--

David R. Watters (watters@cranel.com)      Cranel Inc. Development & Engineering

"Porsche. The very name is, to many, the last word in sports cars. Any car blessed with these magic seven letters is sure to be the very best. Period!"  
- Car and Driver, January 1993

## 1.192 item188

From al86430@sun278.dseg.ti.com Wed May 26 12:12:15 1993  
Date: Wed, 26 May 93 17:12:15 CDT  
From: al86430@moe@sun278.dseg.ti.com  
To: real3d@ucc.gu.uwa.edu.au  
Subject: my email is wrong!

I think that Real3D is sending stuff to al86430@sun278.dseg.ti.com  
  
this is wrong! my email is al86430@moe.dseg.ti.com  
  
Thanks, I really would like to receive Real3D .

## 1.193 item189

From garizmen@nermal.santarosa.edu Thu May 27 01:55:42 1993  
Date: Wed, 26 May 1993 17:55:42 +0800 (PST)  
From: Gustavo Arizmendi <garizmen@nermal.santarosa.edu>  
Subject: Re: Environments in Real3D 2.33  
To: real3d@ucc.gu.uwa.edu.au  
Cc: Multiple recipients of list <real3d@ucc.gu.uwa.edu.au>  
In-Reply-To: <199305261038.AA08351@ucc.gu.uwa.edu.au>

I have been out of touch for sometime as my feed for FidoNet moved away.  
I just started using Internet (4 days) and I have only received Real3D mail for one day.

Could someone please tell me what the lowest price is for Real3D v2.x is?  
and also the address where demo animations are located, besides the file named real3d2anims.lha ?

What im looking for is for some HAM, or lower rez (not 24bit) so that i can view them in my computer (A3000)

Thank you all.

Gustavo

## 1.194 item190

---



From phillips@swanee.ee.uwa.oz.au Thu May 27 19:16:20 1993  
From: phillips@swanee.ee.uwa.oz.au (Christopher Phillips)  
Subject: Re: Help.  
To: real3d@ucc.gu.uwa.edu.au  
Date: Thu, 27 May 1993 11:16:20 +0800 (WST)  
In-Reply-To: <9305261153.1.24490@cup.portal.com> from "CarmenR@cup.portal.com" at ↵  
May 27, 93 02:49:31 am

>  
> Hi. Is this message getting through to everyone? Someone please respond to  
> this message by quoting me.. Thanks.  
>  
> CarmenR - Crazy Artist  
> CarmenR@cup.portal.com  
>  
Reaching me!

## 1.195 item191

From fury@solace.hsh.se Thu May 27 10:56:37 1993  
Subject: Re: Help.  
To: real3d@ucc.gu.uwa.edu.au  
Date: Thu, 27 May 1993 08:56:37 +0200 (MET DST)  
In-Reply-To: <9305270316.AA02575@rama.ee.uwa.edu.au> from "Christopher Phillips" ↵  
at May 27, 93 11:13:21 am

>  
> >  
> > Hi. Is this message getting through to everyone? Someone please respond to  
> > this message by quoting me.. Thanks.  
> >  
> > CarmenR - Crazy Artist  
> > CarmenR@cup.portal.com  
> >  
> Reaching me!  
>  
>

Works fine!

## 1.196 item192

From bignone@omalley.cerisi.fr Thu May 27 11:15:17 1993  
Date: Thu, 27 May 93 09:15:17 +0200  
From: bignone@omalley.cerisi.fr (Bignone Frank)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Help.

Ok for me :^).

---

## 1.197 item193

From john@heights.demon.co.uk Wed May 26 09:42:48 1993  
Date: Wed, 26 May 93 09:42:48 GMT  
In-Reply-To: <9305260818.AA28443@zombie.oulu.fi>  
(from Esa Haapaniemi <eha@zombie.oulu.fi>)  
(at Wed, 26 May 1993 16:23:30 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Real 3D upgrades

Hi Esa (Esa Haapaniemi), on May 26 you wrote:

> But I cannot be the only connection ? I think Vesa reseives suggestions faster  
> if they are directed to Aactiva. I'm already too overwhelmed with my own work,  
> and I don't play/use/do anything with Real3D ... I can still continue this  
> saving mails I have done so far, and you must accept the slowness.

People using the UK Real_3D fido echo are combining lists of problems,  
bugs and requests - the moderator is collating them and forwarding  
direct to RealSoft (seven pages were sent last monday)

John ..     InterNet    - john@heights.demon.co.uk  
             FidoNet    - 2:253/510.9

## 1.198 item194

From phillips@swanee.ee.uwa.oz.au Thu May 27 23:43:04 1993  
From: phillips@swanee.ee.uwa.oz.au (Christopher Phillips)  
Subject: Re: All these replies  
To: real3d@ucc.gu.uwa.edu.au  
Date: Thu, 27 May 1993 15:43:04 +0800 (WST)  
In-Reply-To: <9305270715.AA00705@omalley.cerisi.fr> from "Bignone Frank" at May 27, 93 03:12:43 pm ↵

Arrggh!

Brendan! Why did you set the list up so 'r'eplies went to the  
whole list? Can't we just have 'g'roup replies to the  
list and 'r'eplies going to the sender? List-serv is quite  
capable of doing this.

What do others on the list think?

Christopher.

## 1.199 item195

---

From CarmenR@cup.portal.com Wed May 26 18:27:37 1993  
Return-Path: <CarmenR@cup.portal.com>  
From: CarmenR@cup.portal.com  
Subject: Help2  
Date: Thu, 27 May 93 01:27:37 PDT

[paraphrasing myself] Could someone respond by quoting me to see if my messages are getting through?

OK. So I see my questions were getting through. So why hasn't anyone answered? I'm talking about my questions on Real3D 2. I know it's brand new software, but there's gotta be someone out there who knows something out this program. I know I can be a Real3D power user eventually, but I do need some friendly shoves in the right direction. If there's anyone out there who can help, please respond.

How does one use Motion blur? According to the manual, you simply turn on Motion blur in the attributes, and it'll work as long as "Samples" is higher than 0 in the render settings. Where is Samples? I see it nowhere.

How do I get Real3D to remember I like to use UNDO by saving it in the environment?

How does one use the font -> object converter?

Is it possible to convert 2-bitplane IFF images into objects? As a soon-to-be Ex-Imagine user, I've found this utility to be invaluable.

Thanks for your time in helping me in advance. Hopefully in the future, I can be the one helping everyone via writing tutorials like I did for Imagine users.

CarmenR - Crazy Artist  
CarmenR@cup.portal.com

## 1.200 item196

From dino@alex.com Thu May 27 17:33:15 1993  
Return-Path: <dino>  
Date: Thu, 27 May 93 10:33:10 BST  
From: Dino Fancellu <dino@alex.com>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Help2

> From: CarmenR@cup.portal.com  
> To: Multiple recipients of list <real3d@ucc.gu.uwa.edu.au>  
> Subject: Help2  
> X-Listserver-Version: 6.0 -- UNIX ListServer by Anastasios Kotsikonas  
>  
> How does one use Motion blur? According to the manual, you simply turn on  
> Motion blur in the attributes, and it'll work as long as "Samples" is higher  
> than 0 in the render settings. Where is Samples? I see it nowhere.  
>

Sorry, have not read that far. However the dice project has motion blur, how about looking at its settings?

> How does one use the font -> object converter?  
>

Load up the special tool environment. Then load up the fontloader through that. Then pick the font you want by specifying the directory too look at e.g. r3d2:objects/realtime. Then specify the text string i.e. Hello. The capital letters H will load up object 'H'. Letters "ello" will load up objects _e _l _l _o. However the baseline positioning is all messed up. Realsoft are aware that font handling is not good enough. If you are really keen you could look at the RPL scripts, however you may wish to wait for them to do it properly, I head they might put Compugraphic and/or Postscript support in it. I hope so. You can get nice effects if you have prodraw clip art. If you don't and you have some specific text in mind I'm sure someone could make some text and send it to you.

> Is it possible to convert 2-bitplane IFF images into objects? As a soon-to-be Ex-Imagine user, I've found this utility to be invaluable.  
>

Yep, two ways, apart from obvious texture mapping! You can load in an iff and have each pixel in the object replaced by an object of the same colour, for example you could have "Hello" built out of spheres or whatever. Another way is to load in a iff as a mesh with the height proportional to the colour, I think. Did you have any other ways in mind?

Sorry I did not respond before, I am very new to 2.xx and assumed that other more experienced user would come to your aid.

Dino.

## 1.201 item197

From john@heights.demon.co.uk Thu May 27 11:32:59 1993  
Date: Thu, 27 May 93 11:32:59 GMT  
In-Reply-To: <9305270127.1.24011@cup.portal.com>  
(from CarmenR@cup.portal.com)  
(at Thu, 27 May 1993 16:22:51 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Help2

Hi CarmenR (CarmenR), on May 27 you wrote:

> How does one use Motion blur? According to the manual, you simply turn on  
> Motion blur in the attributes, and it'll work as long as "Samples" is higher  
> than 0 in the render settings. Where is Samples? I see it nowhere.

I think that means "lightsamples" in the render settings window (middle far right) - I'm a bit vague on this as I haven't read it through - I think it puts motion blur on ay object which is given a

velocity - more speed=more blur (I think)

>

> How do I get Real3D to remember I like to use UNDO by saving it in the enviro  
> nment?

Set it, and then projects/environments/save (save it as  
s:real-startup) - is this not working on your setup?

> Thanks for your time in helping me in advance. Hopefully in the future,  
> I can be the one helping everyone via writing tutorials like I did for  
> Imagine users.

Looking forward to that Carmen...

John ..    InterNet    - john@heights.demon.co.uk  
          FidoNet    - 2:253/510.9

## 1.202 item198

From john@heights.demon.co.uk Thu May 27 11:34:02 1993  
Date: Thu, 27 May 93 11:34:02 GMT  
In-Reply-To: <9305270743.AA07242@rama.ee.uwa.edu.au>  
              (from Christopher Phillips <phillips@swanee.ee.uwa.oz.au>)  
              (at Thu, 27 May 1993 15:41:14 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: All these replies

Hi Christopher (Christopher Phillips), on May 27 you wrote:

> What do others on the list think?

I like it as it is (although we could do with cutting down on the  
bandwidth Lightwave seems to be getting!)

John ..    InterNet    - john@heights.demon.co.uk  
          FidoNet    - 2:253/510.9

## 1.203 item199

From eha@zombie.oulu.fi Thu May 27 17:46:38 1993  
From: eha@zombie.oulu.fi (Esa Haapaniemi)  
Subject: Re: Help2  
To: real3d@ucc.gu.uwa.edu.au  
Date: Thu, 27 May 1993 14:46:38 +0300 (EET DST)  
In-Reply-To: <9305271132.AA005h0@heights.demon.co.uk> from "John Shiali" at May 27, 93 06:37:00 pm ←

>> How does one use Motion blur? According to the manual, you simply turn on  
>> Motion blur in the attributes, and it'll work as long as "Samples" is higher  
>> than 0 in the render settings. Where is Samples? I see it nowhere.  
>  
> I think that means "lightsamples" in the render settings window  
> (middle far right) - I'm a bit vague on this as I haven't read it  
> through - I think it puts motion blur on ay object which is given a  
> velocity - more speed=more blur (I think)

No no... The samples must be greater than 0 means that there must be animation  
in memory so as to give the correct way for motion blur (speed/amount).

> Set it, and then projects/environments/save (save it as  
> s:real-startup) - is this not working on your setup?

Unfortunately it's not working correctly with current release. It saves only  
part of the settings.

Esa Haapaniemi  
University of Oulu  
Finland

## 1.204 item200

From Peter.Sjostrom@ludd.luth.se Thu May 27 16:33:05 1993  
From: Peter.Sjostrom@ludd.luth.se  
Subject: Re: All these replies  
To: real3d@ucc.gu.uwa.edu.au  
Date: Thu, 27 May 1993 14:33:05 +0200 (MET DST)  
In-Reply-To: <9305270743.AA07242@rama.ee.uwa.edu.au> from "Christopher Phillips" ←  
at May 27, 93 03:39:48 pm  
Reply-To: Peter.Sjostrom@ludd.luth.se

>  
> Arrggh!  
>  
> Brendan! Why did you set the list up so 'r'eplies went to the  
> whole list? Can't we just have 'g'roup replies to the  
> list and 'r'eplies going to the sender? List-serv is quite  
> capable of doing this.

Replies in a mailing list shall be sent to the user who wrote the  
mail, not the list. When I go on vacation in June you'll see vacation email  
replies, I hope this is fixed by then.

/Peter

## 1.205 item201

From activa@motship.hacktic.nl Thu May 27 23:05:09 1993  
for ucc.gu.uwa.edu.au!real3d  
Date: Thu, 27 May 93 11:38:37 CET

---

Reply-To: activa@motship.hacktic.nl  
From: activa@motship.hacktic.nl (Activa International)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: SKSH <> R3D2 problem

It has come to our attention there is a problem when SKSH, a PD unix like shell, is used when R3D V.2 is run. This will prevent Real from opening its view windows and probably others as well.

As far as we know now this problem is with SKSH, not with Real.

--

=20 Activa International, Keienbergweg 95, 1101 GE Amsterdam, The Nethe=  
rlands  
=20 Phone 31 (0)20 6911914, FAX 31 (0)20 6911428, BBS 31 (0)20 69718=  
80  
=20 UUCP - activa@motship.hacktic.nl , FIDO 2:280/207.32  
  
=20 Once upon a time you could only Imagine, now it's time to get RE=  
AL

## 1.206 item202

From boinger@myamy.hacktic.nl Fri May 28 08:51:36 1993  
Date: Thu, 27 May 93 16:51:34 MET  
From: boinger@myamy.hacktic.nl (Paul Kolenbrander)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Subscribe, please?

Sorry for bothering the list with this, but it's the only address I was given.

Please subscribe me, my address is: boinger@myamy.hacktic.nl

CYa, Paul  
O  
//\  
\ \  
.../ Danger: I'm getting more Real by the minute!

## 1.207 item203

From switenn@reach.com Thu May 27 08:10:41 1993  
Date: Thu, 27 May 93 12:10:41 EDT  
From: switenn@reach.com (Shayne White -- BA/ITAS - Boston)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: ok...

Reply --

---

Philippe,

Yes, I have to admit Imagine is still useful. I am disappointed with Impulse as a company, however. Real3D seems to have a company that is standing behind their product and are gung ho on improving it. It is difficult to use if your math/physics background is weak, and the options are overpowering at first. However, I want to invest the time into it to utilize it's power. I have an RCS '040 board, so speed is not too bad :). R3D2 does chew up memory like it is going out of style though...

Shayne

*===== Regarding =====*

Date: Sun, 23 May 1993 23:50:21 +0800

Hello Shayne (Shayne White -- BA/ITAS - Boston). On May 17, you have written :

> Having used both Imagine and Real3D 2, I'd say go with Real3D . It  
> has a great (and VERY powerful) modeler and is pretty quick. It

It's not quick enough, IMHO, with curve-based objects (see previous post

## 1.208 item204

From CarmenR@cup.portal.com Thu May 27 04:37:48 1993

Return-Path: <CarmenR@cup.portal.com>

From: CarmenR@cup.portal.com

Subject: Re: RE: Help2

Date: Thu, 27 May 93 11:37:48 PDT

David Oxley,

Thanks so much for your help.

> What do you reckon to Real? I liked the 3 view real-time feedback of Imagi

So far, I really like it. The modelling is something I've done the least of. I think there's a little less WYSIWIG in Real than Imagine. Especially when it comes to primitive modelling with boolean. I'm 'used' to every object having an axis. But I see now that there are more animation possibilities when your object's "handle" isn't restricted to a single point. The spline modelling is great, but I have to get used to it as well.. I tried doing the modelling a head tutorial, but couldn't get a good looking head for the life of me. There's just alot of things I have to unlearn from Imagine, and get used to in Real3D . Thanks again for your help.

CarmenR - Crazy Artist

CarmenR@cup.portal.com

---



## 1.209 item205

From CarmenR@cup.portal.com Thu May 27 04:43:48 1993  
Return-Path: <CarmenR@cup.portal.com>  
From: CarmenR@cup.portal.com  
Subject: Re: Help2  
Date: Thu, 27 May 93 11:43:48 PDT

Thanks for your help. I knew about the IFF->altitute mesh feature.. I just wanted the outline of the bitmap as a spline. The feature that converts a bitmap into a bunch of spheres might do, but it's kind of an awkward way of doing it. Especially when I work with very large bitmaps for the utimate in quality. I could possible convert to sheres and then later trace a spline curve using the spheres as a guide [goofy! But it might work!].

CarmenR - Crazyed Artist  
CarmenR@cup.portal.com

## 1.210 item206

From CarmenR@cup.portal.com Thu May 27 04:55:36 1993  
Return-Path: <CarmenR@cup.portal.com>  
From: CarmenR@cup.portal.com  
Subject: Re: Help2  
Date: Thu, 27 May 93 11:55:36 PDT

John,

Nope, UNDO is not saved along with the rest of my environment in S:real-startup. I have to go and manually turn it on each session. Of course, I usually remember it turn it on when it's too late. :)

CarmenR - Crazyed Artist  
CarmenR@cup.portal.com

## 1.211 item207

From CarmenR@cup.portal.com Thu May 27 04:54:11 1993  
Return-Path: <CarmenR@cup.portal.com>  
From: CarmenR@cup.portal.com  
Subject: Re: Help2  
Date: Thu, 27 May 93 11:54:11 PDT

John,

Thanks for yer help... again. :)

So far I've learned that lightsamples helps your fuzzy-edged lightsources [wall, line] be fuzzy, or fuzzier. Does it also enhance motion blur effects? Someone else told me that the "Samples" they were referring to is in the Animation Window. But it's actually "Smpl:" not "Samples"

---

CarmenR - Crazy Artist  
CarmenR@cup.portal.com

## 1.212 item208

From mcdonoug@dmpe.csiro.au Fri May 28 22:11:49 1993  
Date: Fri, 28 May 1993 12:11:49 +1000  
From: Graeme Mc Donough <Graeme.McDonough@dmpe.csiro.au>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Help.

## 1.213 item209

From mcdonoug@dmpe.csiro.au Fri May 28 22:12:19 1993  
Date: Fri, 28 May 1993 12:12:19 +1000  
From: Graeme Mc Donough <Graeme.McDonough@dmpe.csiro.au>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Help.

ok to me

sorry about the double up

## 1.214 item210

From ecker@cps.msu.edu Thu May 27 21:28:26 1993  
id AA19415; Fri, 28 May 93 01:28:26 EDT  
Date: Fri, 28 May 93 01:28:26 EDT  
From: ecker@cps.msu.edu  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Help.

just joined... how do I un-join if (when) I want to?  
-Joe

## 1.215 item211

From john@heights.demon.co.uk Fri May 28 08:30:41 1993  
Date: Fri, 28 May 93 08:30:41 GMT  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
Subject: R3D

AG> Please keep in mind that the complexity and redesign of the program to

---

AG> allow the introduction of some quite remarkable features has, in its  
AG> first incarnation, been released with the intent of getting the  
AG> program out so that we can get feed back on how to best improve the  
AG> useability.

CP> So NOW we get a beta copy to play with AND get to pay for the  
CP> privilege?

Exactly my feeling when I read that reply. "Cheek!" was the word  
that came into my head.

CP> No offence meant Adam but why does this sound like serious back-  
CP> pedalling

Squeek, squeek! Nice to know we are still hobbyists. So Chris,  
when are you going to become a professional do you think?  
I thought you were. Seems like we are not shelling out enough.

CP> incompetently QA'd version of the program might well be due to the  
CP> pressure that the market was applying but this is still no  
CP> justification for misleading the user group and the media.

I'm a software QA manager. I can know a botchjob when I see one.

AG> We am not trying to aim this release specifically at the professional  
AG> market

CP> Nowhere in the press releases, the advertising blurb or indeed the  
CP> manual is that impression given. Quite the opposite infact.

R3D> "creative computer artists, product designers, teachers and everyone  
R3D> interested in computer generated imagery will find Real3D V2 a useful  
R3D> and unique tool."

CP> So how many "amateur" teachers and product designers do you know? I  
CP> for one did not shell out cash which I can ill afford so that I can  
CP> spend my time doing research work for REALSOFT. I bought what  
CP> purported to be a "professional" or at least professionally produced,  
CP> package ready for use

More back pedalling. They could have told us before that they did not  
consider us to be professional or deserving of professional software.  
Now, I'm sure they will do what they can do make it much better, and  
I'm glad, I just wish this had never happened.

CP> Real 1.4 pro turbo was a professional package, aimed at  
CP> professionals. I don't think it was unreasonable of me to expect the  
CP> replacement program to be "as professional". Whilst it is admirable  
CP> that Realsoft decided not to just bolt on some new features but to  
CP> rebuild from the ground up the simple truth is that the "new  
CP> improved" version should work at least as well as it's predecessor It  
CP> doesn't, so in this respect they have failed spectacularly.

Perhaps they should have called 2.xx Real3D 2.33 HOB SLOWMO?

AG> This version is priced and meant for the general Amiga animator that

---

AG> enjoys 3D animation and wants a powerful program with which to  
AG> experiment.

CP> Could you please explain the grand plan in more detail.

CP> As I see it, Real Classic is now for the interested amateur and this  
CP> version (2.33) is for employees of Realsoft, masochists and the  
CP> gullible saps like me who believe what they read. When do we get the  
CP> "Real"Real v2 and how much are they going to sting us for it? The  
CP> idea of shelling out more loot to acquire the product that was  
CP> originally promised to me does not appeal.

CP> Can you assure us that...

CP> All registered REALv2 users will get a free upgrade to REALv2 PRO?  
CP> when it exists and that then the Beta test version be withdrawn.

I do hope so. We are paying Realsoft to do LOTS of beta work for them.  
I hope they appreciate the hours we are putting in and OUR expertise.  
With my background I should be putting in for consultancy! I normally  
get paid for this type of thing.

CP> Once again I must apologise for the tone of this message which is  
CP> not intended personally but which is due to my being "ropeable" with  
CP> impotent fury and frustration.

They have dug a hole for themselves. I hope they know when to appease  
the crowd and don't throw gasoline on the fire by trying to get us to  
cough up even more to get what we were lead to believe we were getting in  
the first place.

John ..     InterNet    - john@heights.demon.co.uk  
             FidoNet     - 2:253/510.9

## 1.216 item212

From john@heights.demon.co.uk Fri May 28 08:31:40 1993  
Date: Fri, 28 May 93 08:31:40 GMT  
In-Reply-To: <9305271146.AA08544@zombie.oulu.fi>  
             (from Esa Haapaniemi <eha@zombie.oulu.fi>)  
             (at Thu, 27 May 1993 19:44:42 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Help2

Hi Esa (Esa Haapaniemi), on May 27 you wrote:

> Unfortunately it's not working correctly with current release. It saves only  
> part of the settings.

Is that 2.33 - How surprising...

---

John ..    InterNet    - john@heights.demon.co.uk  
            FidoNet    - 2:253/510.9

## 1.217 item213

From john@heights.demon.co.uk Fri May 28 08:33:10 1993  
Date: Fri, 28 May 93 08:33:10 GMT  
In-Reply-To: <9305271155.2.4815@cup.portal.com>  
              (from CarmenR@cup.portal.com)  
              (at Fri, 28 May 1993 10:10:29 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Help2

Hi CarmenR (CarmenR), on May 28 you wrote:

> John,  
>  
>        Nope, UNDO is not saved along with the rest of my environment in  
> S:real-startup. I have to go and manually turn it on each session. Of

See Esa's answer - it should work that way, but doesn't...

> course, I usually remember it turn it on when it's too late. :)

Always the way...

John ..    InterNet    - john@heights.demon.co.uk  
            FidoNet    - 2:253/510.9

## 1.218 item214

From john@heights.demon.co.uk Fri May 28 08:34:12 1993  
Date: Fri, 28 May 93 08:34:12 GMT  
In-Reply-To: <9305271154.1.4815@cup.portal.com>  
              (from CarmenR@cup.portal.com)  
              (at Fri, 28 May 1993 10:22:34 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Help2

Hi CarmenR (CarmenR), on May 28 you wrote:

>        So far I've learned that lightsamples helps your fuzzy-edged lightsources  
> [wall, line] be fuzzy, or fuzzier. Does it also enhance motion blur effects?  
> Someone else told me that the "Samples" they were referring to is in the  
> animation Window. But it's actually "Smpl:" not "Samples"

---

My mistake - I haven't read the manual all the way through properly

John ..     InterNet    - john@heights.demon.co.uk  
             FidoNet     - 2:253/510.9

## 1.219 item215

From john@heights.demon.co.uk Fri May 28 08:30:00 1993  
Date: Fri, 28 May 93 08:30:00 GMT  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
Subject: R3D

DF> here are some things I would like to see:  
DF>  
DF> 1) Seperate the ability to see the view axis from mouse coordinates,  
DF>     they are two different things and should be so selectable.

CP> Quite agree. how much use is a 3/4 view of a parralel projection? ok  
CP> so it could be used for creating isometric game graphics but the  
CP> standard default in parallel mode sholub be scrolling the view  
CP> parallell to the input plane. the only way to do this is  
CP> VIEW/DISPLAY/POSITION which is needlessly awkward to use and doesn't  
CP> even have a keyboard shortcut.

Um, am I getting the wrong end of the stick? I meant that when you try to get a viewable axis on a view via the drawing set the you also get mouse coordinates displayed, which is quite distracting when I really don't want it.

However I do agree with the above.

DF> 2) Measuring system chokes on values such as .5, needs 0.5, silly

CP> That, and things like the way it occasionally chucks you out to  
CP> workbench when saving convince me that many of the editor functions  
CP> were a last minute lash up. sort of bug you might expect in a piece  
CP> of noddy shareware not a professionally produced package.

Also goes bang and crashes once in a while but I have been leaving bad bugs like that for others to report, I'm more concerned with usability.

DF> 3) Render time taken info, so you can see what things make a render  
DF>     slower or faster.

CP> Fair enough, how hard could it be? though of course the new amigas  
CP> don't have a realtime clock to refer to. I don't know that this  
CP> should stop it though. this is the sort of detail that even PC  
CP> software ALWAYS manages to include as standard be it a screen saver  
CP> or a DTP mega package. Where are the user definable keys? how about  
CP> an on screen scientific calculator? why no log file option etc? OK  
CP> they aren't crucial but they are the sort of option one might

---

CP> reasoably expect to be thrown in for good measure.

Lightwave shows you the time taken to do a render, also beeps when a frame is done. New Amigas don't have a realtime clock? Bad news. Anyway they still can count time in seconds and minutes, relative time if not absolute. User definable keys seem to be through RPL, very bad form. It would not be difficult to write a program to do it, but that really should be done by Realsoft. The lack of hotkeys for many functions and lack of hotkey labels on menus is UNFORGIVEABLE.

DF> 4) Beep or execute a command after a scene has rendered

CP> I daresay the reply to a lot of these winges will be " well you can  
CP> do it yourself with RPL and AREXX. yeah right, and then maybe next  
CP> year I might be able to get down to some modelling. I can see we're  
CP> going to have to go begging for help in the programming echo's

Well I'm a programmer among other things and have no great problem with RPL, AREXX, C, C++, CANDO etc so probably will do lots of that stuff after I have read the manual properly. But we should not have to do this. And also although we can run RPL progs to do stuff, there seems to be no real hooks into the user interface so we cannot for example re-program what the menu commands do, that seems hardwired. Now if the menu commands were in RPL, then we could have some fun.

DF> 5) If tool menu has too many icons it should grow a scrollbar, not just clip

CP> Same old story , It's amateur hour, the editor hasn't been "finished"  
CP> (Sorry Vesa, no pun intended) a lot of it is just half baked gimicks  
CP> that don't live up to their potential e.g. the VIEW/RENDER/HEIRARCHY  
CP> option which ain't scrollable and doesn't offer editing options.  
CP> About as much use as a chocolate teapot and a far cry from the XTREE  
CP> type editor it should have been.

Yep. VIEW/RENDER/HEIRACHY mad me laugh, it so sad. What we should have is a sideways select heirachy thing, with drag and drop etc. If only they had apologised in the manual and said, yes, we know its lame, we will fix it. Hopefully they will, but it would give me a lot more faith if they had acknowledged the weeknesses in the manual and before they shipped with all the hype. If only they had got some of us in the UK to beta it!

DF> 6) How do you flash a wireframe as Help key is attched to AmigaGuide

CP> If they told you everything it would spoil the fun. :-)

CP> NB Actually I don't find this in the sightest bit funny .

Why could they not attach it to TAB? ALL functions should be redefinable, not just some. Once again there are not enough hooks into RPL. Perhaps we have to write a prog to get the current object, change its wireframe colour, refresh it, then change it back? Slick eh?

DF> 7) Multi select on a menu does not work if the same item is multi  
DF> selected but does work from the tool window

CP> And so on and so on...

---

DF> Chris, I did read all of your speech. And I agree, its so flexible,  
DF> but until we learn how to juggle jelly

CP> Nice line.

DF> it would be nice to have some more 1.4 like feautures. ; Key that  
DF> brings up measuring window when needs be would be VERY useful.

CP> Maybe the measuring window comes into its own when you're up to your  
CP> armpits in RPL but as an editing tool its a pretty good sight screen.  
CP> I'd maybe keep it as an option for those who like it (deathly  
CP> silence) but then see a return to the old coordinate system WHICH  
CP> DIDN'T NEED CHANGING!!! IT DID THE JOB VERY WELL READ MY LIPS (not  
CP> you Dino)

Like you, I think they changed stuff that did not need changing. Yes, ADD  
to the system but don't change old stuff unless there is a reason, there was  
none.

CP> Am going to lay down in a dark room for a little while now. Lets hope  
CP> that a bit of good old "pommy winging" does some good. Obviously the  
CP> Beta testers were far too easily pleased and worried that criticism  
CP> might offend.

Mmm, I'm sure they did their best, but obviously something went wrong.

CP> Chris

John ..    InterNet    - john@heights.demon.co.uk  
            FidoNet    - 2:253/510.9

## 1.220 item216

From john@heights.demon.co.uk Fri May 28 08:54:57 1993  
Date: Fri, 28 May 93 08:54:57 GMT  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
Subject: Previous Posts

I did not write them, I just fowarded them from the Real_3D fido echo  
- they make interesting reading and make lots of valid points -  
comments please (especially from Realsoft, their betatesters (NOT!)  
and Activa's quality assurance department)...

John ..    InterNet    - john@heights.demon.co.uk  
            FidoNet    - 2:253/510.9

## 1.221 item217

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From dino@alex.com Fri May 28 17:59:45 1993  
Return-Path: <dino>  
Date: Fri, 28 May 93 10:51:31 BST  
From: Dino Fancellu <dino@alex.com>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: ok...

> From: Shayne White -- BA/ITAS - Boston <swhitenn@reach.com>  
> To: Multiple recipients of list <real3d@ucc.gu.uwa.edu.au>  
> Subject: Re: ok...  
> Reply --  
>  
> Philippe,  
> [ stuff deleted ]  
> R3D2 does  
> chew up memory like it is going out of style though...  
>  
> Shayne

Have you seen the memory settings stuff in the menu for the render settings?  
With this you can limit how much memory it will use. Would this help?

Dino.

## 1.222 item218

From dino@alex.com Fri May 28 18:00:18 1993  
Return-Path: <dino>  
Date: Fri, 28 May 93 10:54:28 BST  
From: Dino Fancellu <dino@alex.com>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Help2

> From: CarmenR@cup.portal.com  
> To: Multiple recipients of list <real3d@ucc.gu.uwa.edu.au>  
> Subject: Re: Help2  
  
>  
> Thanks for your help. I knew about the IFF->altitude mesh feature.. I just  
> wanted the outline of the bitmap as a spline. The feature that converts a  
> bitmap into a bunch of spheres might do, but it's kind of an awkward way of  
> doing it. Especially when I work with very large bitmaps for the ultimate in  
> quality. I could possibly convert to spheres and then later trace a spline  
> curve using the spheres as a guide [goofy! But it might work!].  
>  
> CarmenR - Crazy Artist  
> CarmenR@cup.portal.com  
>

Yep, you could also use prodraw to trace the object, or one of its utils,  
and then get Real3D to convert it, but yes, you are right, this is missing  
as a direct function. Well spotted.

Dino.

## 1.223 item219

From oxleyd@dodo.logica.co.uk Fri May 28 18:20:38 1993  
Date: 28 May 1993 10:45:00 U  
From: "Oxley David" <oxleyd@dodo.logica.co.uk>  
Subject: Real/Imagine ray trace test  
Return-Receipt-To: "Oxley David" <oxleyd@dodo.logica.co.uk>  
To: "Real3D" <real3d@ucc.gu.uwa.edu.au>

Last night I created the following simple scene in both Real3D v2.33 and Imagine2.0 (I used Imagine's ground and sphere primitives). The results surprised me:

- 35% reflective black and white chequered ground plane;
- 87% reflective light grey spheres, larger one above ground plane, smaller one resting on ground slightly behind larger one;
- 2 shadow casting light sources, one 64% strength of the other, brighter source casting pinkish light, weaker source casting light grey light;
- DCTV format, 4 bit planes, resolution 736x566, moderate antialiasing, full ray trace.

I tried to organise the orientation to be the same in both cases, so that each renderer had roughly the same amount of calculating to do.

Timing results: Imagine 8min 43sec; Real3D 12min 30sec.  
(I have an A2000 with 28MHz RCS 040, 21MB RAM and DCTV of course.)

Aesthetically, the Imagine image was more pleasing; the Real3D result looked too 'perfect'. I guess that as I become better acquainted with Real, I'll see why the scene took 43% longer to render the way I set it up, and how I could have set it up to finish in 10 seconds ;^)

This begs the question "What happens to the Real3D rendering times when you add motion blur, soft edged shadows and B-spline meshes?"

Yeah, I know people say it's fruitless making these sort of comparisons, but I was inquisitive, and thought I'd post my results anyway. Some further testing might involve rendering in other modes and comparing again. You could argue that a complex scene built in each package would be a better test, because it would pit the benefit of Real's CSGs, boolean operations and meshes against Imagine's polygon method. Hmmm, I might try that one day.

David Oxley.

## 1.224 item220

From whitenn@reach.com Fri May 28 05:15:00 1993  
Date: Fri, 28 May 93 09:15:00 EDT  
From: whitenn@reach.com (Shayne White -- BA/ITAS - Boston)  
To: real3d@ucc.gu.uwa.edu.au

Subject: Re: ok...

Reply --

Dino,

Yes, I do know about the memory settings, but setting it for less memory forces it to use slower algorithms, and doesn't always alleviate the problem. I understand your point, and as I become more familiar with the package, I'm sure I'll pick up little tips and tricks about what works and what doesn't...

Cheers,

Shayne

```

+++++
+ SHAYNE WHITE - STANDARD DISCLAIMER ....
+ AMIGA 2000, RCS FUSION FORTY, 7 MEGS RAM, 213MB MAXTOR
+ SWHITENN@REACH.COM
+++++

```

*===== Regarding =====*

Date: Fri, 28 May 1993 18:42:18 +0800

> From: Shayne White -- BA/ITAS - Boston <swhitenn@reach.com>

> To: Multiple recipients of list <real3d@ucc.gu.uwa.edu.au>

> Subject: Re: ok...

> Reply --

>

> Philippe,

## 1.225 item221

From mark@westford.ccur.com Fri May 28 07:13:47 1993

To: Oxley David <oxleyd@dodo.logica.co.uk>

Cc: real3d@ucc.gu.uwa.edu.au, mark@westford.ccur.com

Subject: Re: Real/Imagine ray trace test

In-Reply-To: Your message of Fri, 28 May 93 18:51:48 +0800.

<199305281020.AA03292@ucc.gu.uwa.edu.au>

Date: Fri, 28 May 93 11:13:47 EDT

From: Mark Thompson <mark@westford.ccur.com>

>Yeah, I know people say it's fruitless making these sort of comparisons, but I  
>was inquisitive, and thought I'd post my results anyway. Some further testing  
>might involve rendering in other modes and comparing again.

If anyone feels they are up to it, I can email the archive I sent to Alexandre Rousseau (R3D beta tester) which includes a reasonably complex test scene with image texture maps. You may redesign the test object using other primitives, I only ask that you post your results with the polygonal render times as well since that is an apples to apples comparison and the only one I am truly interested in. Since this represents a very small piece of some of my work

in progress, I thought it would be fairly representative of a real world situation.

Warning: this test is not for the faint of heart or the weak machines. The scene file (it is in Sculpt format for portability) is 2MB not including the textures. The entire archive is compressed down to 823K. When uuencoded, it splits up into 12 email files each just under 100K.

```
%~~~~~%
%      '      '      Mark Thompson      CONCURRENT COMPUTER %
%  ---* RADIANT *---  mark@westford.ccur.com      Principal Graphics %
%      ' Image '      ...!uunet!masscomp!mark      Hardware Architect %
%      Productions      (508)392-2480 (603)424-1829      & General Nuisance %
%~~~~~%
```

## 1.226 item222

From pvdh@motship.hacktic.nl Fri May 28 23:45:50 1993  
 for ucc.gu.uwa.edu.au!real3d  
 Date: Fri, 28 May 93 10:12:43 CET  
 In-Reply-To: <9305270933.AA00890@woody.alex.com>  
               (from Dino Fancellu <dino@alex.com>)  
               (at Thu, 27 May 1993 17:35:52 +0800)  
 Reply-To: pvdh@motship.hacktic.nl  
 From: pvdh@motship.hacktic.nl (Paul van der Heu)  
 To: real3d@ucc.gu.uwa.edu.au  
 Subject: Re: Help2

Hi Dino (Dino Fancellu), in <9305270933.AA00890@woody.alex.com> on May 27 you ↵  
 wrote:

```
> > How does one use the font -> object converter?
>
> Load up the special tool environment. The load up the fontloader through that.
> Then pick the font you want by specifying the directory too look at
```

You might also like to look at the program PowerFonts which converts AGFA outline fonts to Real objects. A demo version is available from the ACTIVA support BBS. I will see whether I can put it up on a ftp site..

--

Paul van der Heu, The MotherShip Connection running DLG BB/OS  
 Home of cOmCOn Productions, Amiga Multimedia in a BIG way  
 FIDO - 2:280/207.0 , UUCP - pvdh@motship.hacktic.nl

AQUA BOOGIE BABY !! (Psycoalphadiscobetabioaquadolop) - Parliament

## 1.227 item223

From dino@alex.com Sat May 29 00:40:17 1993  
 Return-Path: <dino>

Date: Fri, 28 May 93 17:22:30 BST  
From: Dino Fancellu <dino@alex.com>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Help2

Hello Paul, you said.

> Hi Dino (Dino Fancellu), in <9305270933.AA00890@woody.alex.com> on May 27 you ↵  
wrote:  
>  
> > How does one use the font -> object converter?  
> >  
> > Load up the special tool environment. The load up the fontloader through that ↵  
> .  
> > Then pick the font you want by specifying the directory too look at  
>  
> You might also like to look at the program PowerFonts which converts AGFA  
> outline fonts to Real objects. A demo version is available from the ACTIVA  
> support BBS. I will see whether I can put it up on a ftp site..

That would be VERY useful. What is demo about it? What about Compugraphic?  
Can you remind me what programs come with AGFA fonts or where I could get  
some if need be? If Aactiva have received my registration I may try the BBS  
tonight.

Dino.

## 1.228 item224

From lee@auriga.rose.brandeis.edu Fri May 28 14:54:22 1993  
Date: Fri, 28 May 93 18:54:22 EDT  
From: charles lee <lee@auriga.rose.brandeis.edu>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: All these replies  
In-Reply-To: Your message of Thu, 27 May 1993 15:43:54 +0800

>Brendan! Why did you set the list up so 'r'eplies went to the  
>whole list? Can't we just have 'g'roup replies to the  
>list and 'r'eplies going to the sender? List-serv is quite  
>capable of doing this.  
>  
>What do others on the list think?  
>  
>Christopher.

Well, I think that replies going back to the list as a default  
is good because it keeps the list hopping with information.

If anyone wants to private reply to someone's particular message,  
I guess there is a way to set it up via List-Serv as you described.

-Charlie

---

## 1.229 item225

From lee@auriga.rose.brandeis.edu Fri May 28 15:02:28 1993  
Date: Fri, 28 May 93 19:02:28 EDT  
From: charles lee <lee@auriga.rose.brandeis.edu>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Help2  
In-Reply-To: Your message of Thu, 27 May 1993 16:25:06 +0800

>How does one use Motion blur? According to the manual, you simply turn on  
>Motion blur in the attributes, and it'll work as long as "Samples" is higher  
>than 0 in the render settings. Where is Samples? I see it nowhere.

^^^^^^^^^^^^^^^^^^

Carmen, no!

Check page 5.20 of the Tutorial. I'd check it in the program itself,  
but dongle (ARGH) is disconnected right now (and I'm not going to hot  
connect! :)

UNDO still seems to be broken, even in version 2.33 that I have right  
now.

>Font => Object converter

Hmmm... I think I tried it once, but it didn't work as I deleted the  
fonts. I'll figure it out again (that is, how I got it working) and  
post about it.

>2-bitplane IFF to objects.

I see a possibility of hacking a converter with RPL.  
Use the Pixel=>Object tool. Save out the resultant object as an RPL  
ASCII file. Write up a converter (I'm going to use C) to change  
the picture to a polygon.

Obviously, this method is limited to solid filled shapes (ie fonts!)

## 1.230 item226

From Peter.Sjostrom@ludd.luth.se Sat May 29 07:39:02 1993  
From: Peter.Sjostrom@ludd.luth.se  
Subject: Re: Help2  
To: real3d@ucc.gu.uwa.edu.au  
Date: Sat, 29 May 1993 05:39:02 +0200 (MET DST)  
In-Reply-To: <9305281622.AA08644@woody.alex.com> from "Dino Fancellu" at May 29, 93 00:40:40 am  
Reply-To: Peter.Sjostrom@ludd.luth.se

>  
> That would be VERY useful. What is demo about it? What about Compugraphic?  
> Can you remind me what programs come with AGFA fonts or where I could get

Isn't Compugraphic fonts the same as AGFA fonts?

---

/Peter

## 1.231 item227

From Peter.Sjostrom@ludd.luth.se Sat May 29 07:38:01 1993  
From: Peter.Sjostrom@ludd.luth.se  
Subject: Re: All these replies  
To: real3d@ucc.gu.uwa.edu.au  
Date: Sat, 29 May 1993 05:38:01 +0200 (MET DST)  
In-Reply-To: <CMM.0.90.4.738629662.lee@auriga.rose.brandeis.edu> from "charles lee ↵"  
" at May 29, 93 06:48:55 am  
Reply-To: Peter.Sjostrom@ludd.luth.se

>  
> Well, I think that replies going back to the list as a default  
> is good because it keeps the list hopping with information.  
>  
> If anyone wants to private reply to someone's particular message,  
> I guess there is a way to set it up via List-Serv as you described.

It is not the rule for mailing lists. You're gonna get an awful  
lot of vacation mails from me when I go for a vacation in June...

/Peter

## 1.232 item228

From amipb@amipb.gna.org Sat May 29 19:54:14 1993  
Date: Fri, 28 May 93 21:03:04 MET  
In-Reply-To: <CMM.0.90.4.738244531.lee@auriga.rose.brandeis.edu>  
(from charles lee <lee@auriga.rose.brandeis.edu>)  
(at Mon, 24 May 1993 03:50:18 -0800)  
From: amipb@amipb.gna.org (Philippe Berard)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: UNDO

Hello charles (charles lee). On May 24, you have written :

> >Is it just me, or does Real3D v2 NOT save the UNDO ACTIVE setting when  
> >you save your environment? I'm using v2.30  
>  
> Yep... The latest version I have 2.33 doesn't save the Undo Active  
> setting either. I guess they'll get around to fixing that; that is  
> trivial compared to some other things I've asked them to look at.

The UNDO flag is saved with the project. It should be great to have  
it saved in the environment (default), though...

Regards,

-- Philippe

---

```

-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
-----

```

## 1.233 item229

From swhitenn@reach.com Fri May 28 13:33:57 1993  
 Date: Fri, 28 May 93 17:33:57 EDT  
 From: swhitenn@reach.com (Shayne White -- BA/ITAS - Boston )  
 Subject: Misc. thoughts

Hey all,

It seems that lately a lot of people on this list have been disappointed with Real3D version 2 (R3D2). Personally, I really like the program. I think the interface is great. It allows you to really customize to suit your own personal tastes, which is what it really boils down to. Although I haven't used the new LW, I don't think any packages for the Amiga can simulate Tornados, Boiling water, etc in a matter of minutes. Of course, I could be wrong, but my point is that R3D2 is a powerful program that will take time to master, and also take time to mature. Few programs are bugless on their first release. Personally, I'm willing to give RealSoft the benefit of the doubt. I think they show an interest in supporting their product, unlike some other companies...

Some of the bugs described on this list should not still be in the software (the environments not getting saved), but I think that they will be fixed shortly. I am glad that there is a lot of activity on this list, but I'd like to see some more useful information being passed around. Perhaps someone could narrate a project they have set up, for example. Tips and tricks, etc. I'm not about to tell anyone what the list should and should not be used for, I'm just stating my opinion like anybody else.

On another note, if Adam Godfrey is on this list, could you please register me for Conference 8 of your BBS so I can get the updated version of R3D2....I know you got my registration card because I am registered for conference 2...

Thanks all!

```

+++++
+ SHAYNE WHITE - STANDARD DISCLAIMER .... +
+ AMIGA 2000, RCS FUSION FORTY, 7 MEGS RAM, 213MB MAXTOR +
+ SWHITENN@REACH.COM +
+++++

```



## 1.234 item230

From john@heights.demon.co.uk Sun May 30 00:09:36 1993  
30 May 93 8:01 BST  
Date: Sun, 30 May 93 00:09:36 GMT  
In-Reply-To: <9305282133.AA03787@ad0.reach.com>  
(from Shayne White -- BA/ITAS - Boston <swhitenn@reach.com>)  
(at Sun, 30 May 1993 01:17:43 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Misc. thoughts

Hi Shayne (Shayne White -- BA/ITAS - Boston), on May 30 you wrote:

> It seems that lately a lot of people on this list have  
> been disappointed with Real3D version 2 (R3D2). Personally, I  
> really like the program. I think the interface is great. It  
> allows you to really customize to suit your own personal tastes,  
> which is what it really boils down to. Although I haven't used  
> the new LW, I don't think any packages for the Amiga can simulate  
> Tornados, Boiling water, etc in a matter of minutes. Of course, I  
> could be wrong, but my point is that R3D2 is a powerful program  
> that will take time to master, and also take time to mature. Few

Yes, but that's what a year of betatesting was supposed to be for...  
many things (such as extra points on 2D objects) should NEVER have  
come out on the released program

> show an interest in supporting their product, unlike some other  
> companies...

Then they should really have got some decent testers!

> programs are bugless on their first release. Personally, I'm

No, but nor do I expect that three UK users to come up with *seven*  
pages of bugs and mistakes within one week of having the program.

> willing to give RealSoft the benefit of the doubt. I think they

They'll have to - I've just seen 3DS on a PC, and that can really kick  
ass, and it's not a true raytracer. Because of the poor first release,  
people will remember all the things that are wrong, rather than "Wow!  
Isn't all this incredible!"

> Some of the bugs described on this list should not still  
> be in the software (the environments not getting saved), but I  
> think that they will be fixed shortly. I am glad that there is a  
> lot of activity on this list, but I'd like to see some more useful  
> information being passed around. Perhaps someone could narrate a  
> project they have set up, for example. Tips and tricks, etc. I'm  
> not about to tell anyone what the list should and should not be  
> used for, I'm just stating my opinion like anybody else.

It will happen once there are more people who are familiar with the

---

program, and if Aactiva get their act together and release more utilities and demo datafiles to the nets.

John ..    InterNet    - john@heights.demon.co.uk  
          FidoNet    - 2:253/510.9

## 1.235 item231

From pockets@netcom.com Sat May 29 08:08:18 1993  
From: pockets@netcom.com (Sean C. Cunningham)  
Subject: Re: R3D  
To: real3d@ucc.gu.uwa.edu.au  
Date: Sat, 29 May 93 15:08:18 PDT  
In-Reply-To: <9305280830.AA005hp@heights.demon.co.uk>; from "John Shiali" at May 28, 93 5:26 pm ↵

You point me to software that doesn't have bugs.

I have yet to dive into my copy of v2 thoroughly as of yet, but I fully expected to find bugs. I use hundreds of thousands of dollars worth of software every day and it has bugs...I'm sure that the folks at realsoft are much easier to work with on getting bugs fixed than Wavefront.

You feel like you're not getting your money's worth? Go spend \$60,000 on a package like SoftImage, wich core dumps quite often from what I've been told, and see how you feel then.

--

## 1.236 item232

From hv77115@cs.tut.fi Sun May 30 16:49:25 1993  
Date: Sun, 30 May 1993 13:49:25 +0300  
From: Viitala Hannu Juhani <hv77115@cs.tut.fi>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Please remove me from this list !

--- hv77115@cs.tut.fi

## 1.237 item233

From dino@alex.com Sun May 30 22:53:30 1993  
Return-Path: <dino>  
Date: Sun, 30 May 93 15:57:07 BST  
From: Dino Fancellu <dino@alex.com>  
To: real3d@ucc.gu.uwa.edu.au

---

Subject: Re: Help2

Well, this is really about the BBS.

I've logged into the BBS. But can only leave messages and log out.  
Also my messages are not replied to as of yet.  
Is there no one on the BBS during the weekend? If that is so it  
would be nice if the BBS said so. Also the menu I get has file areas  
and messages areas on it but do nothing, which is rather misleading.

Any help about this from anyone would be appreciated, thanks.

Dino.

## 1.238 item234

From ecker@cps.msu.edu Sun May 30 10:05:01 1993  
id AA23189; Sun, 30 May 93 14:05:02 EDT  
From: ecker@cps.msu.edu  
Subject: How do you UNSUBSCRIBE!!!????  
To: real3d@ucc.gu.uwa.edu.au  
Date: Sun, 30 May 93 14:05:01 EDT  
In-Reply-To: <9305300009.AA005ii@heights.demon.co.uk>; from "John Shiali" at May 31, 93 12:42 am ↵

To whom it may concern:

I subscribed to this group thinking it was a multi-platform  
group, but since it's amiga based, and I use Sun's up here at school,  
I'd like to un-subscribe the group. Any info or help would be  
appreciated.....

-Joe

## 1.239 item235

From Tomasz.Piatek@comp.vuw.ac.nz Tue Jun 1 00:08:47 1993  
Date: Mon, 31 May 1993 12:08:47 +1200  
From: Tomasz Piatek <Tomasz.Piatek@comp.vuw.ac.nz>  
Subject: non FPU version of R3D2

Can someone tell me for sure if there exists a non-FPU version of R3D2.  
I asked a few people and they've told me that there is only FPU version.

cheers,  
Tomek

---

## 1.240 item236

From CarmenR@cup.portal.com Sun May 30 10:36:40 1993  
Return-Path: <CarmenR@cup.portal.com>  
From: CarmenR@cup.portal.com  
Subject: Font Converter  
Lines: 7  
Date: Sun, 30 May 93 17:36:40 PDT

Charles,

I, too found the RPL font converter, but couldn't get it to work worth beans. Some of this Real3D program really seems slapped together.

CarmenR - Crazyed Artist  
CarmenR@cup.portal.com

## 1.241 item237

From CarmenR@cup.portal.com Sun May 30 10:34:11 1993  
Return-Path: <CarmenR@cup.portal.com>  
From: CarmenR@cup.portal.com  
Subject: Motion Blur  
Lines: 11  
Date: Sun, 30 May 93 17:34:11 PDT

Charles,

> Check page 5.20 of the Tutorial.

Ah! There it is! Silly me, I thought I could learn how to use something by looking it up in the reference manual. After so many of the tutorials did not work for me, I got frustrated and vowed not to use it again. Thanks for pointing this out to me. Latez!

CarmenR - Crazyed Artist  
CarmenR@cup.portal.com

## 1.242 item238

From eha@zombie.oulu.fi Mon May 31 11:18:46 1993  
From: eha@zombie.oulu.fi (Esa Haapaniemi)  
Subject: Re: How do you UNSUBSCRIBE!!!!????  
To: real3d@ucc.gu.uwa.edu.au  
Date: Mon, 31 May 1993 08:18:46 +0300 (EET DST)  
In-Reply-To: <9305301805.AA23189@dead.cps.msu.edu> from "ecker@cps.msu.edu" at May 31, 93 02:01:20 am

> To whom it may concern:

Not me ;)

---

> I subscribed to this group thinking it was a multi-platform  
> group, but since it's amiga based, and I use Sun's up here at school,

But maybe it'll be multiplatform group as soon as the Real3D is available  
for the others too. What kind of Real3D are you using in your SUN that  
made you intertested in this group in the beginning ?

> I'd like to un-subscribe the group. Any info or help would be  
> appreciated.....

Don't hesitate, but if you must, then send the unsubscribe mail to  
postmaster...

> -Joe

Esa

## 1.243 item239

From CarmenR@cup.portal.com Sun May 30 16:22:43 1993  
Return-Path: <CarmenR@cup.portal.com>  
From: CarmenR@cup.portal.com  
Subject: Re: non FPU version of R3D2  
Date: Sun, 30 May 93 23:22:43 PDT

Tomek,

It's true. Real3D v2 does not currently support non-FPU Amigas. Two  
versions are included. FPU and 040.

CarmenR - Crazy Artist  
CarmenR@cup.portal.com

## 1.244 item240

From lee@auriga.rose.brandeis.edu Sun May 30 23:17:27 1993  
Date: Mon, 31 May 93 3:17:27 EDT  
From: charles lee <lee@auriga.rose.brandeis.edu>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Font Converter  
In-Reply-To: Your message of Mon, 31 May 1993 12:49:34 +0800

> I, too found the RPL font converter, but couldn't get it to work worth  
> beans. Some of this Real3D program really seems slapped together.

Yes... R3D's has a very open approach through the use of RPL which is  
both a curse and a blessing, because RPL confuses a lot of people...

## 1.245 item241

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From john@heights.demon.co.uk Mon May 31 07:46:32 1993  
Date: Mon, 31 May 93 07:46:32 GMT  
In-Reply-To: <199305310008.AA037333@paramount.comp.vuw.ac.nz>  
(from Tomasz Piatek <Tomasz.Piatek@comp.vuw.ac.nz>)  
(at Mon, 31 May 1993 12:39:42 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: non FPU version of R3D2

Hi Tomasz (Tomasz Piatek), on May 31 you wrote:

> Can someone tell me for sure if there exists a non-FPU version of R3D2.  
> I asked a few people and they've told me that there is only FPU version.

There wasn't one in my package.

In fact, the section in hardware requirements lists a math coprocessor...

John ..    InterNet    - john@heights.demon.co.uk  
            FidoNet    - 2:253/510.9

## 1.246 item242

From john@heights.demon.co.uk Mon May 31 07:44:45 1993  
Date: Mon, 31 May 93 07:44:45 GMT  
In-Reply-To: <9305301805.AA23189@dead.cps.msu.edu>  
(from ecker@cps.msu.edu)  
(at Mon, 31 May 1993 02:02:48 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: How do you UNSUBSCRIBE!!!????

Hi ecker (ecker), on May 31 you wrote:

> I subscribed to this group thinking it was a multi-platform  
> group, but since it's amiga based, and I use Sun's up here at school,  
> I'd like to un-subscribe the group. Any info or help would be  
> appreciated.....

I should think it will be multiplatform once the other versions have been released!

John ..    InterNet    - john@heights.demon.co.uk  
            FidoNet    - 2:253/510.9

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## 1.247 item243

From john@heights.demon.co.uk Mon May 31 07:43:46 1993  
Date: Mon, 31 May 93 07:43:46 GMT  
In-Reply-To: <9305292208.AA02889@netcom2.netcom.com>  
(from "Sean C. Cunningham" <pockets@netcom.com>)  
(at Mon, 31 May 1993 00:44:08 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: R3D

Hi Sean (Sean C. Cunningham), on May 31 you wrote:

> You feel like you're not getting your money's worth? Go spend \$60,000 on a  
> package like SoftImage, wich core dumps quite often from what I've been told,  
> and see how you feel then.

That's not the point - just because other people do it, it doesn't mean it's right - that's the sort of thing I would have expected from the mid eighties, not the mid nineties.

Software companies in the professional fields are expected to test their products intensely before sale, offer local telephone and on site, (and in some cases 24 hour) support, free upgrades and patches (none of this "we might release it sometime but, we won't tell you when, and we're going to charge you for it, or you'll have to make international phone calls")

I've worked for companies where bugged software has made us insist (and get) from the supplier companies - free fixes - replacement machines sent abroad - multiple engineers sent abroad - software and machines *that did not run as contracted to* decommissioned and deinstalled before the start of legal action to recover losses - payment for time wasted by our staff on these products.

Activa wouldn't last a second in such an environment, and I'm not suggesting that they have those kinds of resources, but for a professional program, some of the bugs that got through have been *shocking* - there have been *three* upgrade versions in the two months since release! Doesn't that say that there should have been a bit more research to the those bugs so they could be fixed on the first release ?

Real3D 1.42 was a slick, professional program with *many* excellent features - I expected the new one to be just as professionally put together, but I (and others) have been somewhat disappointed.

John ..    InterNet    - john@heights.demon.co.uk  
            FidoNet    - 2:253/510.9

## 1.248 item244

From lee@auriga.rose.brandeis.edu Sun May 30 23:19:45 1993

---

Date: Mon, 31 May 93 3:19:45 EDT  
From: charles lee <lee@auriga.rose.brandeis.edu>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Motion Blur  
In-Reply-To: Your message of Mon, 31 May 1993 12:53:49 +0800

> Ah! There it is! Silly me, I thought I could learn how to use something  
>by looking it up in the referance manual. After so many of the tutorials did  
>not work for me, I got frustrated and vowed not to use it again. Thanks for  
>pointing this out to me. Latez!

:) After working through/skimming all the tutorials, I went through  
the entire manual a second time with a ruler and a red pen,  
delinitating important points and reorganizing the manual for my  
personal tastes. I'm going to put stickers on the sides of the pages  
to make things really easy to flip though.

-Charlie

## 1.249 item245

From brendan@ucc.gu.uwa.edu.au Tue Jun 1 05:35:51 1993  
From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>  
Subject: Unsubscribing  
Date: Mon, 31 May 1993 21:35:51 +0800 (WST)

Greetings all,

Sorry that I didnt respond to this earlier, but I have been getting large  
amounts of mail everyday.. To unsubscribe to the list post a message to

listserv@gu.uwa.edu.au

with a message like

unsubscribe real3d

That will do it...

--

Brendan Langoulant  
brendan@gu.uwa.edu.au

## 1.250 item246

From brendan@ucc.gu.uwa.edu.au Tue Jun 1 06:29:00 1993  
From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>  
Subject: Please Ignore  
Date: Mon, 31 May 1993 22:29:00 +0800 (WST)

Testing Testing 1 2 3...

--

Brendan Langoulant

---



brendan@gu.uwa.edu.au

## 1.251 item247

From ecker@cps.msu.edu Mon May 31 07:31:01 1993  
id AA25222; Mon, 31 May 93 11:31:02 EDT  
From: ecker@cps.msu.edu  
Subject: Re: How do you UNSUBSCRIBE!!!????  
To: real3d@ucc.gu.uwa.edu.au  
Date: Mon, 31 May 93 11:31:01 EDT  
In-Reply-To: <9305310518.AA25846@zombie.oulu.fi>; from "Esa Haapaniemi" at May 31, ↵  
93 1:19 pm

---stuff deleted---

>  
> But maybe it'll be multiplatform group as soon as the Real3D is available  
> for the others too. What kind of Real3D are you using in your SUN that  
> made you intertasted in this group in the beginning ?

----

Well, I had been playing around with SunPhigs but that's really  
rudimentary, everything is manual, and Sun is no longer supporting Phigs  
under their new OS... (I think. :) )  
Thanks....

-----  
>  
> Esa  
>  
-----  
-Joe

## 1.252 item248

From john@heights.demon.co.uk Mon May 31 19:07:43 1993  
Date: Mon, 31 May 93 19:07:43 GMT  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
Subject: Dongle disables other software

I've got my dongle on a two way splitter so I can have my joystick  
plugged in - it stops Delphine's FlashBack from working properly  
until it's unplugged <sigh>

John ..    InterNet    - john@heights.demon.co.uk  
            FidoNet    - 2:253/510.9

## 1.253 item249

---

From swhitenn@reach.com Tue Jun 1 04:23:58 1993  
 Date: Tue, 1 Jun 93 08:23:58 EDT  
 From: swhitenn@reach.com (Shayne White -- BA/ITAS - Boston )  
 Subject: Tutorials

Greetings,

I have an idea that I'd like to share with this list. How about creating a tutorial package for R3D2, similar to the one Steve Worley has created for Imagine (except PD, not commercial). Different people could contribute different things (whatever their expertise or forte may be). I don't have much time on my hands right now, so I am just offering this as an idea. Perhaps some of the students on the list will have some time not that classes are over?! Anyway, I'd appreciate any feedback on this idea...

Although the Real3D manual is not bad, I find it often jumps into things like u and v (vector stuff) without really explaining much to the casual user. Perhaps a gentler approach could be created. There could be sections on modelling, animation types, tips & tricks, etc. Maybe the package could contain example materials, macros, objects, etc as well as text. Does anyone know of an internet site where the stuff could be sent and collected (volunteers?!). I'm only connected to an 'outernet' site (mail only).

Seems to me like a good idea, but enough of my rambling.  
 :)

```

+++++
+  SHAYNE WHITE - STANDARD DISCLAIMER ....
+  AMIGA 2000, RCS FUSION FORTY, 7 MEGS RAM, 213MB MAXTOR
+  SWHITENN@REACH.COM
+++++

```

## 1.254 item250

From watters@cranel.com Tue Jun 1 06:36:05 1993  
 Date: Tue, 1 Jun 93 10:36:05 EDT  
 From: watters <watters@cranel.com>  
 To: real3d@ucc.gu.uwa.edu.au  
 Subject: Re: R3D

> Software companies in the professional fields are expected to test their  
 > products intensely before sale, offer local telephone and on site, (and in some  
 > cases 24 hour) support, free upgrades and patches (none of this "we might  
 > release it sometime but, we won't tell you when, and we're going to  
 > charge you for it, or you'll have to make international phone calls")

I wonder how many people that are complaining about the bugs, are the same people that were complaining about how long it took to be released.

---

We are ignoring the biggest issue here anyways.  
 After getting a chance to take a good look at R3D2, I can say that it's interface is nothing short of amazing, it's procedural animation support is ground breaking, and it's AREXX/RPL features are a gift from the heavens.... but it is a DOG!!! DEE.. OH.. GEE.. Dog, and therefore unusable (by me) as a production renderer.

David ~ . _ _ _ _  
 Watters ~ \ _ _ _ _ | @ , _ _  
 ~ ( ) - _ _ _ _ - ( ) ` -

--

David R. Watters (watters@cranel.com) Cranel Inc. Development & Engineering

Congradulations Emerson Fittipaldi, Chevrolet, and Penske!!!  
 ==+ 1993 Indianapolis 500 Winners +==

## 1.255 item251

From pockets@netcom.com Tue Jun 1 10:39:25 1993  
 From: pockets@netcom.com (Sean C. Cunningham)  
 Subject: Re: R3D  
 To: real3d@ucc.gu.uwa.edu.au  
 Date: Tue, 1 Jun 93 17:39:25 PDT  
 In-Reply-To: <9305310743.AA005j0@heights.demon.co.uk>; from "John Shiali" at May 31, 93 3:56 pm ←

>  
 > That's not the point - just because other people do it, it doesn't  
 > mean it's right - that's the sort of thing I would have expected from  
 > the mid eighties, not the mid nineties.

>  
 But you miss my point. The fact is, \$20,000 - \$60,000 (or more) software is buggy. Why should \$500 software be any better. I'm not saying that I like bugs, but they're a fact of life and something you have to deal with. Alias, SoftImage, Wavefront, TDI, Renderman, Parallax, etc. all have bugs...some minor, some major.

> Software companies in the professional fields are expected to test their  
 > products intensely before sale, offer local telephone and on site, (and in some  
 > cases 24 hour) support, free upgrades and patches (none of this "we might  
 > release it sometime but, we won't tell you when, and we're going to  
 > charge you for it, or you'll have to make international phone calls")  
 >

I see that you haven't dealt with Alias. They provide very little of the above. And they have a very poor attitude when it comes to suggestions for the future of the software, unless you happen to work for ILM :)

> I've worked for companies where bugged software has made us insist  
 > (and get) from the supplier companies - free fixes - replacement machines sent  
 > abroad - multiple engineers sent abroad - software and machines *that  
 > did not run as contracted to* decommissioned and deinstalled before the  
 > start of legal action to recover losses - payment for time wasted by

> our staff on these products.  
>

Sometimes this happens. We've had a similar incident. But it's a shame that you would have to make threats, idle or otherwise to get action taken.

> Ativa wouldn't last a second in such an environment, and I'm not  
> suggesting that they have those kinds of resources, but for a  
> professional program, some of the bugs that got through have been  
> *shocking* - there have been *three* upgrade versions in the two  
> months since release! Doesn't that say that there should have been a  
> bit more research to the those bugs so they could be fixed on the first  
> release ?  
>

* "Shocking" bugs? Try reseting your frame range when running in text mode in Preview...it'll core dump. You should be glad that there have been three, that means that Ativa is on the ball.

How long did it take Impulse to release v2 of Imagine after v1 was released? It had many bugs and still does. I won't touch that piece of code ever again.

> Real3D 1.42 was a slick, professional program with *many* excellent  
> features - I expected the new one to be just as professionally put  
> together, but I (and others) have been somewhat disappointed.  
>

I guess we have different ideas as to what "professional" quality means. I would consider v1.42 "hobby" class. I couldn't consider anything that does not give the user interactive, editable motion graphs for every channel of motion professional in any sense, no matter how many bells and whistles are tacked on. Without this feature you don't have enough control over motion.

Also, the fact that you cannot even edit your animation once you've told it to generate the in-betweens, had chills running up and down my spine.

* = for those that aren't familiar with Preview, it's the choreographer that is part of Wavefront's TAV (The Advanced Visualizer)

>  
> John .. InterNet - john@heights.demon.co.uk  
> FidoNet - 2:253/510.9  
>

## 1.256 item252

From activa@motship.hacktic.nl Wed Jun 2 09:26:36 1993  
for ucc.gu.uwa.edu.au!real3d  
Date: Tue, 1 Jun 93 10:48:43 CET  
Reply-To: activa@motship.hacktic.nl  
From: activa@motship.hacktic.nl (Activa International)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: complaints

---

It has come to our attention a number of people are posting complaints concerning R3D2 which could be solved by using legal copies, reading=20 the manual or asking Activa for an answer.

As NONE of these complaints are directed at either Realsoft or Activa and none of these contains specific bugreport information there is=ve been nice. ←

I've tried using Marble, mirror and wood with varying success. My guess is that I'm not providing the right parameters. For example, the wood floor I created didn't look anywhere near as nice as the one in the bowling alley. The Canadian support BBS currently doesn't have any materials for R3D2 (correct me if I'm wrong). Thanks and happy rendering.

Shayne White

swhitenn@reach.com

## 1.257 item307

From swhitenn@reach.com Tue Jun 8 06:06:11 1993  
Date: Tue, 8 Jun 93 10:06:11 EDT  
From: swhitenn@reach.com (Shayne White -- BA/ITAS - Boston )  
Subject: Mirrored fonts

Hi,

I'm creating a logo using the Tube fonts that come with Real3D 2. I mapped the mirror material on them (used default mapping), and set up an environment picture, and enabled environment mapping in the render settings. The fonts show up as red (the environment pic is a blue sky w/ clouds). They are shiny and appear somewhat like glass, but they aren't reflecting the environment like I thought they would. And I am rendering in the normal mode with one light wall. I'm probably making a simple mistake...does anyone know what I'm doing wrong?

Shayne

```
+++++
+ SHAYNE WHITE - STANDARD DISCLAIMER ....
+ AMIGA 2000, RCS FUSION FORTY, 7 MEGS RAM, 213MB MAXTOR
+ SWHITENN@REACH.COM
+++++
```

## 1.258 item308

From seanw@codex.com.au Thu Jun 10 02:34:38 1993  
From: Sean Woodhouse <seanw@codex.com.au>  
Date: Wed, 9 Jun 93 16:34:38 +1000  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Read 3D v2 on an A3000

Hi everyone,

I was wondering if someone out there could tell me how Real3D performs on an A3000. I'm planning to buy one with 6Meg RAM and a 24bit colour card. Actual rendering times don't really bother me because I can leave the thing on all day while I'm at work, and it's only a hobby so there's no deadlines. But what I do need to know is how quickly wireframe animations can be made and how easy modelling is. I'm also planning on buying a 17" monitor in the future, does anyone have any comments.

Thanks

Sean

---

Sean Woodhouse    Software Engineer  
Codex Software Development Pty Ltd, Melbourne AUSTRALIA  
Phone:     +61 3 696 2490     Facimile: +61 3 696 6757  
Internet : seanw@codex.com.au  
Street: 222 Park St, South Melbourne, VIC 3205 AUSTRALIA  
Postal: PO Box 293, Albert Park, VIC 3206 AUSTRALIA

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## 1.259 item309

From brendan@ucc.gu.uwa.edu.au Wed Jun 9 22:59:03 1993  
From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>  
Subject: Re: Real 3D object sites  
To: real3d@ucc.gu.uwa.edu.au  
Date: Wed, 9 Jun 1993 14:59:03 +0800 (WST)  
In-Reply-To: <199305151744.AA24862@extra.ucc.su.OZ.AU> from "Nikola Vukovljak" at May 16, 93 01:43:42 am

Greetings all,

> Can anyone tell me where Real3D object sites may be ?  
>  
> Also, is this mailing list being or going to be compiled into archives like  
> the Imagine Mailing list?

I suppose that I could do that... I spend so much time trying to simply keep the number of mail message less than 100 that it shouldnt be much more wasted time...

> I am a Co-ordinator of a Graphics Sig here in Australia and would like to  
> be able to place archives of this list on our BBS. So is this being done?

> Nik.  
> nvukovlj@ucc.su.OZ.AU

I would like to extend this concept slightly further... Is anyone

---

interested in creating some objects for Real3D (v2 we may as well standardize).

My idea is that we put together a list of all objects that we would like and people can simply pick and choose the items that they want to create. The more I work with Real3D the more I realise that having a set of objects to simply grab as needed makes for a much more productive session.

Suggested

Furnishings - Chairs Tables Wall Hangings Vases Shelving Cupboard  
Television Curtains etc...

Obscure - Blobs swirls

Animals - Well there are lots of them.... (I just dont want to make those ones.. ;-)

Materials could also be included in a list....

Put forward some suggestions for some suggestions for object heirachy.

--

Brendan Langoulant  
brendan@gu.uwa.edu.au

## 1.260 item310

From oxleyd@dodo.logica.co.uk Wed Jun 9 17:35:15 1993  
Date: 9 Jun 1993 10:28:45 U  
From: "Oxley David" <oxleyd@dodo.logica.co.uk>  
Subject: Speed of optimised Real40  
To: "Real3D" <real3d@ucc.gu.uwa.edu.au>

Further to a chat with Dino Fancellu, I ran a test last night on my A1500, 28MHz RCS 040, 20MB 32bit, 1MB chip, 60MBHD, PAL DCTV to substantiate the performance claims of the optimised 040 of Real2 version over the 020/030 version.

To quote from the Real manual: "The special 68040 optimised program version has been tested to be up to eight times faster in rendering than the 68030 version running equal clock frequency."

I rendered a Normal (ie full ray trace) image to my DCTV at 736x566, antialiasing 2, other settings at their defaults. The scene comprised two chrome spheres, one on and one above a reflective black and white infinite tiled floor, with 2 lights, one at 60% strength of the other.

Test results:

Version	Render Time
2.31 020/030	15.0 min
2.31 040	14.5 min
2.33 040	14.5 min (just to see if 2.33 gave improvement over 2.31)

I had to use v2.31 for the comparison because I didn't download the 2.33 020/030 update from the BBS.

---

Well there you have it. Conclusive proof that the optimised version of Real is an astounding ... err, how can I put it ... 3% faster than the unoptimised version.

Just in case you think I should be comparing the 020/030 version running on a 68030 CPU with the 040 version running on a 68040 CPU at the same clock speeds, the results of that comparison (my 28MHz 040 versus Dino's 25MHz 68030 (A3000)) are as follows:

Version	Render Time
2.33 020/030	30.0 min
2.33 040	14.5 min

So, absolutely conclusive proof that the optimised version is, well, twice as fast. What happened to the 'eight times faster' claim, hmmm?

What scene showed the factor 8 improvement I wonder?

I'm a bit disappointed about the dismal speed-up on an 040 :( Either figure, 3% or 2x isn't exactly worth boasting about. I can only hope that 2.34 delivers the promised eight-fold performance gain, although I'd settle for more :)

Regards,  
David Oxley,  
Logica UK Ltd.

## 1.261 item311

From dino@alex.com Wed Jun 9 19:34:37 1993  
Return-Path: <dino>  
Date: Wed, 9 Jun 93 12:08:29 BST  
From: Dino Fancellu <dino@alex.com>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Materials in R3D2

> From @gate.demon.co.uk:real3d@mackerel.gu.uwa.edu.au Wed Jun 9 07:12:43 1993

> From: Shayne White -- BA/ITAS - Boston <swhitenn@reach.com>  
> Subject: Materials in R3D2

> I have used the Essence package by Steve Worley (for Imagine) and  
> I'm wondering if he plans to port some of his work to R3D2.

>From what I hear, no. He is reported as saying that the RPL textures are too slow. They don't seem too speedy to me.

Dino.

## 1.262 item312

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From dino@alex.com Wed Jun 9 19:35:54 1993  
Return-Path: <dino>  
Date: Wed, 9 Jun 93 12:16:23 BST  
From: Dino Fancellu <dino@alex.com>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Read 3D v2 on an A3000

> From: Sean Woodhouse <seanw@codex.com.au>  
> Subject: Read 3D v2 on an A3000

> Hi everyone,  
>  
> I was wondering if someone out there could tell me how Real3D performs on an A3000. I'm  
> planning to buy one with 6Meg RAM and a 24bit colour card. Actual rendering times don't  
> really bother me because I can leave the thing on all day while I'm at work, and it's only a  
> hobby so there's no deadlines. But what I do need to know is how quickly wireframe  
> animations can be made and how easy modelling is. I'm also planning on buying a  
> 17" monitor in the future, does anyone have any comments.  
>  
> Thanks  
>  
> Sean

Its very easy to make wireframe animations very quickly, for example to move a cube along a path for 50 frames takes about 25 seconds for me. If you want slightly better drafts even draft mode is very fast.

Modelling is very easy and amazingly powerful. You will love it.

I have a 16" Eizo 9080i, its very nice. Try to go for an Eizo, they are very high quality, low emission.

Dino.

## 1.263 item313

From john@heights.demon.co.uk Wed Jun 9 17:08:27 1993  
Date: Wed, 9 Jun 93 17:08:27 GMT  
In-Reply-To: <199306090659.AA05339@ucc.gu.uwa.edu.au>  
(from Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>  
(at Wed, 9 Jun 1993 15:02:29 +0800))  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Real 3D object sites

Hi Brendan (Brendan Langoulant), on Jun 9 you wrote:

> I would like to extend this concept slightly further... Is anyone

---

> interested in creating some objects for Real3D (v2 we may as well  
> standardize).

I have some things from 1.42 tutorials and stuff, but most people do not want to reuse their objects - and you run the risk of being unoriginal (like using sound samples that have already been in other people's records) - Generally, it is a good idea and we have the beginnings of it on the UK support BBS...

John ..    InterNet    - john@heights.demon.co.uk  
          FidoNet    - 2:253/510.9

## 1.264 item314

From john@heights.demon.co.uk Wed Jun 9 17:12:39 1993  
Date: Wed, 9 Jun 93 17:12:39 GMT  
In-Reply-To: <199306090935.AA07329@ucc.gu.uwa.edu.au>  
              (from Oxley David <oxleyd@dodo.logica.co.uk>)  
              (at Wed, 9 Jun 1993 17:39:27 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Speed of optimised Real40

Hi Oxley (Oxley David), on Jun 9 you wrote:

> Further to a chat with Dino Fancellu, I ran a test last night on my A1500,  
> 28MHz RCS 040, 20MB 32bit, 1MB chip, 60MBHD, PAL DCTV to substantiate the  
> performance claims of the optimised 040 of Real2 version over the 020/030  
> version.

Problem with this is it gets translated through the dctv_r3d.library (which I believe then talks to the dctv.library) before getting to the display device - this MUST be a bottleneck - try it with a 24 bit render to disk, and let me know....

John ..    InterNet    - john@heights.demon.co.uk  
          FidoNet    - 2:253/510.9

## 1.265 item315

From john@heights.demon.co.uk Wed Jun 9 16:09:52 1993  
Date: Wed, 9 Jun 93 16:09:52 GMT  
In-Reply-To: <9306080953.AA008c2@motship.hacktic.nl>  
              (from Activa International <pvdh@motship.hacktic.nl>)  
              (at Tue, 8 Jun 1993 23:07:16 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Question from Andy

---

Hi Aactiva (Activia International), on Jun 8 you wrote:

> John, could you stop posting other peoples messages here.. this has been  
> answered to Andy on the ACTIVA support BBS..

This was a general request for help from others, as Andy doesn't have access to usenet, and would be of use to others having the same problems, I crosposted it here from another net altogether - or is this mailing list now censored/moderated, and if so are you doing that job? Does that include things like tutorials and hints and tips, or are you saying that you just want me not to post bad things about Real? Are you speaking for Aactiva in this respect, and if not, do they know you are applying that kind of pressure to another registered user?

Enquiring minds want to know!

John ..    InterNet    - john@heights.demon.co.uk  
          FidoNet    - 2:253/510.9

## 1.266 item316

From john@heights.demon.co.uk Wed Jun 9 17:04:13 1993  
Date: Wed, 9 Jun 93 17:04:13 GMT  
In-Reply-To: <9306081406.AA12844@ad0.reach.com>  
          (from Shayne White -- BA/ITAS - Boston <swhitenn@reach.com>)  
          (at Wed, 9 Jun 1993 13:51:07 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Mirrored fonts

Hi Shayne (Shayne White -- BA/ITAS - Boston), on Jun 9 you wrote:

> in the normal mode with one light wall. I'm probably making  
> a simple mistake...does anyone know what I'm doing wrong?

This may sound silly, but what colour is the light?

John ..    InterNet    - john@heights.demon.co.uk  
          FidoNet    - 2:253/510.9

## 1.267 item317

From swhitenn@reach.com Wed Jun 9 07:07:08 1993  
Date: Wed, 9 Jun 93 11:07:08 EDT  
From: swhitenn@reach.com (Shayne White -- BA/ITAS - Boston)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Read 3D v2 on an A30

---

Reply --

Sean,

R3D2 should perform nicely on a 3000. However, for serious projects, 6 megs of RAM may not be enough. As far as monitors go, I'd at least take a look at an Idek 17". I'm going to get one shortly. They even scan down to 15kHz, so you can use them with the Amiga's native modes....

Shayne

```

+++++
+  SHAYNE WHITE - STANDARD DISCLAIMER ....      +
+  AMIGA 2000, RCS FUSION FORTY, 7 MEGS RAM, 213MB MAXTOR  +
+  SWHITENN@REACH.COM                                     +
+++++

```

*===== Regarding =====*

Date: Wed, 9 Jun 1993 14:34:46 +0800

Hi everyone,

I was wondering if someone out there could tell me how Real3D performs on an A3000. I'm planning to buy one with 6Meg RAM and a 24bit colour card. Actual rendering times don't really bother me because I can leave the thing on all day while I'm at work, and it's only a hobby so there's no deadlines. But what I do need to know is how quickly wireframe

## 1.268 item318

From amipb@amipb.gna.org Thu Jun 10 09:45:18 1993

Date: Tue, 8 Jun 93 20:05:59 MET

From: amipb@amipb.gna.org (Philippe Berard)

To: real3D@ucc.gu.uwa.edu.au

Subject: Re: C_TOROID mystery

Hello Dino (Dino Fancellu). On Jun 3, you have written :

> There appears to be a an RPL function called C_TOROID. It is not  
> documented, as far as I can find.

Where did you find it ? In Real3D 's executable ?

> P.S. Is anyone getting these messages I send out? The list seems to have  
> been a bit quite lately.

Yes, Dino, no problems. People are quite now, because they've all told about their first impressions, let's wait for the second ?! :-)

Regards,

-- Philippe

```

-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
-----

```

## 1.269 item319

From nvukovlj@extro.ucc.su.OZ.AU Thu Jun 10 12:57:24 1993  
 Date: Thu, 10 Jun 1993 02:57:24 +1000 (EST)  
 From: Nikola Vukovljak <nvukovlj@ucc.su.oz.au>  
 Subject: Re: Real 3D object sites (fwd)  
 To: Multiple recipients of list <real3d@ucc.gu.uwa.edu.au>

----- Forwarded message -----

Date: Wed, 9 Jun 1993 15:06:39 +0800  
 From: Brendan Langoulant <brendan@mackerel.gu.uwa.edu.au>  
 To: Multiple recipients of list <real3d@mackerel.gu.uwa.edu.au>  
 Subject: Re: Real 3D object sites

Greetings all,

> Also, is this mailing list being or going to be compiled into archives like  
 > the Imagine Mailing list?

I suppose that I could do that... I spend so much time trying to simply  
 keep the number of mail message less than 100 that it shouldnt be much  
 more wasted time...

I'd really appreciate it. It'll make quite a few guys here in Oz happy.

I would like to extend this concept slightly further... Is anyone  
 interested in creating some objects for Real3D (v2 we may as well  
 standardize).

My idea is that we put together a list of all objects that we would  
 like and people can simply pick and choose the items that they want to  
 create. The more I work with Real3D the more I realise that having a  
 set of objects to simply grab as needed makes for a much more  
 productive session.

Suggested

Furnishings - Chairs Tables Wall Hangings Vases Shelving Cupboard  
 Television Curtains etc...

Obscure - Blobs swirls

Animals - Well there are lots of them.... (I just dont want to  
 make those ones.. ;-)

Materials could also be included in a list....

Put forward some suggestions for some suggestions for object heirachy.

--

Brendan Langoulant  
brendan@gu.uwa.edu.au

This sounds great too.

Nik.  
nvukovlj@ucc.su.OZ.AU

## 1.270 item320

From amipb@amipb.gna.org Thu Jun 10 09:46:24 1993  
Date: Tue, 8 Jun 93 20:03:50 MET  
From: amipb@amipb.gna.org (Philippe Berard)  
To: real3D@ucc.gu.uwa.edu.au  
Subject: Re: Reviews

Hello Dino (Dino Fancellu). On Jun 2, you have written :

> The AC review seems a lot better. It is generally favourable and recognises  
> tha package for the amazing product that it is whilst making some reasonable  
> critisisms, mostly the slowness of b-splines, motion blur, and soft shadow,  
> and the complexity of RPL. All in all 4 pages worth of good publicity.

To be positive, I find motion blur and depth of field quite fast. None  
of these seem to double the rendering time, so I think the code is well  
optimized.

Regards,

-- Philippe

```

-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
-----

```

## 1.271 item321

From amipb@amipb.gna.org Thu Jun 10 09:47:29 1993  
Date: Tue, 8 Jun 93 20:33:56 MET  
In-Reply-To: <9306071408.AA005pq@heights.demon.co.uk>  
(from John Shiali <john@heights.demon.co.uk>)  
(at Mon, 7 Jun 1993 09:13:45 -0800)  
From: amipb@amipb.gna.org (Philippe Berard)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Missing Mail

Hello John (John Shiali). On Jun 7, you have written :

> There seems to be mail missing from here - I am seeing replies to  
 > original messages that I haven't seen, and people saying that they  
 > haven't seen my posts - is anyone else having problems?

Yes, I've had a big routing problem with something which added  
 "Reply-To: uniwa.uwa.edu.au", and got many bounces on that last  
 site. Maybe someone is trying to kill us ? ;-)

Now, I always check if the return address is REALLY  
 real3D@mackerel.gu.uwa.edu.au

Regards,

-- Philippe

```

-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
-----

```

## 1.272 item322

From amipb@amipb.gna.org Thu Jun 10 09:48:29 1993  
 Date: Tue, 8 Jun 93 20:04:43 MET  
 From: amipb@amipb.gna.org (Philippe Berard)  
 To: real3D@ucc.gu.uwa.edu.au  
 Subject: Re: Misc. thoughts

Hello Paul (Paul van der Heu). On Jun 2, you have written :

> > Some of the bugs described on this list should not still  
 > > be in the software (the environments not getting saved), but I  
 >  
 > The enviroment is part of the PROJECT, not the SETTINGS!! so it is saved with  
 > the project.

Okay, okay, calm down ! :-) One thing important should be to have a default  
 project loaded when you run the program, then.

> Paul van der Heu, The MotherShip Connection running DLG BB/OS

While we're at it, Paul, I will surely be one of the persons responsible  
 of Real3D support, in France, and I would like to put a Real3D BBS in  
 this country. Aymeric de la Vaissiere, from Avancee, my local dealer, said  
 that he will send you some SyQuest cartridges to put the R3D stuff on it.  
 Our BBS would poll yours every 3 weeks to get all the new patches/PD  
 programs/animations.

The BBS is already active. It's the "Bouncing Ball BBS", 2:320/108.0,  
 Sysop Francois Pinault.

Can I have your opinion on this, please ? Thanks.

Regards,

-- Philippe

```
.-----.  
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |  
| "They hold a cup of wisdom, | -> Please don't send mails |  
| But there is nothing within" (Kate Bush). | >50 Ko ! |  
`-----`
```

## 1.273 item323

From amipb@amipb.gna.org Thu Jun 10 09:49:39 1993  
Date: Tue, 8 Jun 93 20:05:25 MET  
From: amipb@amipb.gna.org (Philippe Berard)  
To: real3D@ucc.gu.uwa.edu.au  
Subject: Re: R3D

Hello watters (watters). On Jun 1, you have written :

> I wonder how many people that are complaining about the bugs, are the same  
> people that were complaining about how long it took to be released.

I don't see your point, here, David. I've been waiting for a new version  
of Real3D since 1.42, and even more when I knew about the new features  
it would bring, and I'm complaining about the bugs...

> After getting a chance to take a good look at R3D2, I can say that it's  
> interface is nothing short of amazing, it's procedural animation support is  
> ground breaking, and it's AREXX/RPL features are a gift from the heavens....  
> but it is a DOG!!! DEE.. OH.. GEE.. Dog, and therefore unusable (by me) as  
> a production renderer.

I don't know what you mean with your dog, but dogs can be fast :-)

Of course, I agree with you on this, and I'm waiting for the scanline  
rendering method as much as you do as I expect to do some professional  
work with it. Now, I hope that Vesa will have access to (Fido | Use)Net,  
as we *should* have his opinion about the product, and its evolution.

Regards,

-- Philippe

```
.-----.  
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |  
| "They hold a cup of wisdom, | -> Please don't send mails |  
| But there is nothing within" (Kate Bush). | >50 Ko ! |  
`-----`
```

## 1.274 item324

From amipb@amipb.gna.org Thu Jun 10 09:50:48 1993  
Date: Tue, 8 Jun 93 20:07:04 MET  
From: amipb@amipb.gna.org (Philippe Berard)

---



To: real3D@ucc.gu.uwa.edu.au  
Subject: Re: complaints

Hello Activa (Activa International). On Jun 1, you have written :

> It has come to our attention a number of people are posting complaints  
> concerning R3D2 which could be solved by using legal copies, reading  
> the manual or asking Activa for an answer.

I don't think many people here use illegal copies of Real. My version number is #A2000035, but I can't send you the registration card (yet) as my local dealer (Avancee) lend it to me, as I'll review the product in AmigaNews (and that's why Vesa's answers to my questions become quite urgent. Esa, read you more ? :-) )

>  
> As NONE of these complaints are directed at either Realsoft or Activa  
> and none of these contains specific bugreport information there is  
> little that can be done about it.

Bugreports are one thing, giving our impressions on the product is another. The *main* thing we have been discussing on is the lack of scanline rendering, and I don't think it would suit very well in a bug report, as this is not a feature :-)

To talk about me, I've passed my questions/suggestions to Esa Haapaniemi who has a friend who knows Vesa directly, and this was before I had any knowledge about a Real3D mailing-list or a (quite) direct UseNet address to join Activa.

> We would like to stress that shouting stuff like this does NOT help in  
> solving these problems, it only gives a bad impression of what Real can  
> do.

Yes, I agree, people (and I'm one of them) are quite negative on the product, but at least is it their first impression, having heard for months that Real3D will shoot away any other package (yes, even Lightwave). One thing I didn't understand with all these negative discussions is that they came to the other mailing-lists and, even, to comp.sys.amiga.graphics, which is quite a bad shot.

Don't forget that the more critic people here are the professionals, who have heard that Real3D was professional, which it's not in its current version, but will surely become (I have faith in Vesa's ability to change things).

Now, I think the power is in your hands, and in Vesa's, and that the scanline rendering implementation becomes urgent...

> So please people do NOT post these posts on the list like this, but post  
> a BUGREPORT to :  
>  
> real-bugs@motship.hacktic.nl

It's a bit late to tell us this, we should have known about it before !  
And what about a "suggestions address", like real-suggest@..... ?

---

Regards,

-- Philippe

```

-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
-----

```

## 1.275 item325

From pvdh@motship.hacktic.nl Thu Jun 10 12:46:17 1993  
 for ucc.gu.uwa.edu.au!real3d  
 Date: Wed, 9 Jun 93 18:01:28 CET  
 Reply-To: pvdh@motship.hacktic.nl  
 From: pvdh@motship.hacktic.nl (Paul van der Heu)  
 To: real3d@ucc.gu.uwa.edu.au  
 Subject: maillist readme and admin address

Could any kind sould please mail me the initial mailing on the list,  
 as I have lost it somewhere.. Also I would like my address changed,  
 but get no reaction from what I believe is theadmin address, so it  
 might be wrong.. Could anyone pleas eget me the correct admin address?

--

```

=20      Paul van der Heu, The MotherShip Connection running DLG BB/OS
=20      Home of cOmCOn Productions, Amiga Multimedia in a BIG way
=20      FIDO - 2:280/207.0 , UUCP - pvdh@motship.hacktic.nl

=20      'Givin' them something they can FEEL'

```

## 1.276 item326

From eha@phoenix.oulu.fi Thu Jun 10 10:56:12 1993  
 From: eha@phoenix.oulu.fi (Esa Haapaniemi)  
 Subject: Re: complaints  
 To: real3d@ucc.gu.uwa.edu.au  
 Date: Thu, 10 Jun 1993 11:56:12 -0100 (GMT-2:00)  
 In-Reply-To: <9306081907.AA00eq3@amipb.gna.org> from "Philippe Berard" at Jun 10, ↵  
 93 04:15:54 pm

```

>      (and that's why Vesa's answers to my questions become quite
>      urgent. Esa, read you more ? :-) )

```

I'm still here :) And yours as well others suggestions/complaints/  
 theories/tricks/... will be given to that particular friend of mine  
 during this week. I cannot force (TM) him to give them to Vesa, but  
 I heard from him that Vesa is getting this stuff from somewhere else  
 too (maybe Dino ?). And ofcourse Activa is doing their job too (I hope)

```

>      (I have faith in Vesa's ability to change things).

```

At least you have faith to that ;)) OK. I knowe that Vesa is still working mainly with Amigaversion, but the Windows and unix versions do take a lot of his time now...

> Now, I think the power is in your hands, and in Vesa's, and that the  
> scanline rendering implementation becomes urgent...

Oh boy ! I feel very important. I hope I don't let you down ;) (again).

> And what about a "suggestions address", like real-suggest@..... ?

How often do the Aactiva make contacts to Vesa ? Could this be useful at this critical times ? Vesa is maybe too keen on getting all new to the program, and he can miss some "bugs" by doing that. (I DON'T KNOW HIM PERSONALLY !)...

Esa Haapaniemi  
University of Oulu  
Finland

## 1.277 item327

From U2102952@csdvax.csd.unsw.EDU.AU Sun Jun 11 05:23:42 1993  
Date: 10 Jun 1993 19:23:42 +1000  
From: U2102952@csdvax.csd.unsw.EDU.AU  
Subject: Re: SUBSCRIBE  
To: real3d@ucc.gu.uwa.edu.au

Two things...

- 1 - With the amount of mail flying around this forum should be on a digest.
- 2 - How do I unsubscribe? (hint!)

## 1.278 item328

From zandonad@dsi.unimi.it Thu Jun 10 18:20:09 1993  
From: marco zandonadi <zandonad@dsi.unimi.it>  
Subject: Please UNSUBSCRIBE me!  
To: real3d@ucc.gu.uwa.edu.au  
Date: Thu, 10 Jun 93 12:25:36 METDST

I don't know how to unsubscribe from the list. Please help me!  
Thanks.

Marco Zandonadi

| zandonad@ghost.sm.dsi.unimi.it |  
| |  
| Dipartimento di Scienze dell'informazione |

---

| Milano |

## 1.279 item329

From dino@thought.demon.co.uk Thu Jun 10 13:26:45 1993  
Date: Thu, 10 Jun 93 13:26:45 GMT  
Reply-To: dino@thought.demon.co.uk  
From: Dino Fancellu <dino@thought.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: maillist readme and admin address

Paul said,

> Could any kind sould please mail me the initial mailing on the list,  
> as I have lost it somewhere.. Also I would like my address changed,  
> but get no reaction from what I believe is theadmin address, so it  
> might be wrong.. Could anyone pleas eget me the correct admin address?

I want my address for this list changed as well to dino@thought.demon.co.uk,  
I have sent mail to Brendan but to no effect, help. Its now being bounced

## 1.280 item330

from work up to me, a bit of a waste of time. Is Brendan on holiday  
or just snowed under?

Dino.

```
{-----><-----><-----}  
{  
{ Hail Discordia! Hail Amiga! Undercover Must Die! }  
{  
{-----><-----><-----}
```

## 1.281 item331

From dino@thought.demon.co.uk Thu Jun 10 13:33:37 1993  
Date: Thu, 10 Jun 93 13:33:37 GMT  
In-Reply-To: <9306100856.AA19838@phoenix.oulu.fi>  
(from Esa Haapaniemi <eha@alex.com>)  
(at Thu, 10 Jun 1993 17:06:11 +0800)  
Reply-To: dino@thought.demon.co.uk  
From: Dino Fancellu <dino@thought.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: complaints

---

Hi Esa,

```
>
> I'm still here :) And yours as well others suggestions/complaints/
> theories/tricks/... will be given to that particular friend of mine
> during this week. I cannot force (TM) him to give them to Vesa, but
> I heard from him that Vesa is getting this stuff from somewhere else
> too (maybe Dino ?). And ofcourse Activa is doing their job too (I hope)
>
```

Vesa has got an account on the Canadian Real3D support board.

He is also being faxed info from the UK Real3D fido group.

As Paul said a good place to make sure that Vesa gets stuff is  
real-bugs@motship.hacktic.nl

Dino.

```
{-----}<-----}<-----}
{
{ Hail Discordia! Hail Amiga! Undercover Must Die! }
{
{-----}<-----}<-----}
```

## 1.282 item332

```
From dino@thought.demon.co.uk Thu Jun 10 13:39:04 1993
Date: Thu, 10 Jun 93 13:39:04 GMT
Reply-To: dino@thought.demon.co.uk
From: Dino Fancellu <dino@thought.demon.co.uk>
To: real3d@ucc.gu.uwa.edu.au
Subject: Version history
```

Just in case none of you have this file, it is the version history  
changes for 2.34

- Render settings/Set file name menu works now.
  - Palette window/Fetch function deadlocked the object structure when  
it was applied without any objects being selected. This bug is now fixed.
  - New method levels are now named according to their method type.
  - FIL_LOAD word did not work from an RPL window; this is now fixed.
  - From now on, select window produces a reversed argument list order  
when the user drag-selects multiple objects upwards.
  - The RPL word GET_VECT no longer rounds the initial values to integers.
-

- Morphing syntax error produced an Amigaguide help call with a wrong node reference; this works now correctly.
- <ALT><LMB> no longer pushes vectors to stack; instead, <ALT> works as a 'selected objects only' qualifier when using <LMB> dragging to average points of objects.
- The additional 'Dvect' point of planar primitives (rectangle, circle, polygon) is now ignored in vector stack and dragging operations.  
For example, the examples of the tutorial page 1.3 work now properly.
- Animation window Play To/Jump To gadget was not correctly set when the window was opened. This bug is fixed.
- Extend function locks now properly to grids.
- An attempt to delete all points of a mesh is now handled correctly.
- Wireframe-invisible morphing targets are now accepted.
- Named Colors/Modify menu function works now properly.
- Object name length overflow bug in RealConvert utility is now fixed.

Dino.

```
{-----><-----><-----}
{                                     }
{ Hail Discordia! Hail Amiga! Undercover Must Die! }
{                                     }
{-----><-----><-----}
```

## 1.283 item333

From wdmcclen@infonode.ingr.com Thu Jun 10 07:58:42 1993  
 From: wdmcclen@infonode.ingr.com (William D McClendon)  
 Subject: Re: Error Condition Re: Re: Please UNSUBSCRIBE me!  
 To: real3d@ucc.gu.uwa.edu.au  
 Date: Thu, 10 Jun 93 12:58:42 CDT  
 In-Reply-To: <199306101745.AA07618@infonode.ingr.com>; from "real3d@mackerel.gu. ↵  
 uwa.edu.au" at Jun 11, 93 1:41 am  
 X-Mailer: ELM [version 06.05.01.04 (2.3 PL11)]

REMOVE

## 1.284 item334

From watters@crael.com Thu Jun 10 13:35:40 1993  
Date: Thu, 10 Jun 93 17:35:40 EDT  
From: watters <watters@crael.com>  
To: drrogers@camelot.b24a.ingr.com  
Subject: IDE drive for DPS PAR (was Re: IDE vs. SCSI)  
Cc: imagine@email.sp.paramax.com, lightwave@bobsbox.rent.com,  
real3d@ucc.gu.uwa.edu.au

> What does IDE stand for?

I was told once that it stood for Integrated Digital Expansion, I was also told it was for Intelligent Disk (Drive) Expansion. We are a bit biased to SCSI around here so when I have asked in the past I always got I Don't care Either...IDE.

>Can both exist on the same system?

Yes.

> I ask because I  
> already have a SCSI controller in my 2500/30. I am interested in  
> the DPS harddrive animation system and realize it needs an IDE  
> interface.

It has it's own IDE interface onboard. The DPS PAR with work in a system that has a SCSI controller.

I hate to make a plug, but if people are planning on getting a drive for the DPS Personal Animation Recorder... I strongly suggest you get in touch with the company I work for as we are a distributor for many high-end drive vendors including HP and the better Seagate stuff and I believe the Seagate 3600A is the only drive that has been qualified so far. I will own a DPS PAR myself so you will have some experienced technical support if you get the drive here.

Believe me... I don't care if you get the drive here or not... the money doesn't go into my pocket... although I would enjoy getting to talk to a lot of Amiga people that need help instead of a day full of Unix dweebs. :)

While we are at it... if you need any large hard disks, MagnetoOptical drives, or tape (4mm DDS/DAT, 8mm, etc.) give Crael a call because you will get some decent pricing from a distributor and I will get to talk to a lot more of you! We also sell multi-Terabyte optical systems if you are rendering a lot! :)

Crael's number is (614) 431-8000 or (800) 288-3475  
You can find info and adds from Crael in most Unix and Imaging Rags such as SunWorld and Imaging Magazine.

Hope this wasn't too bad... I just hate that we don't sell to many Amiga users... some Universities here and there that we are already under contract with but that is it.

— —

David ~ | _ | _ --- ' | @ , _  
Watters ~ ( ) - _____ - ( ) ' -

--

David R. Watters (watters@cranel.com) Cranel Inc. Development & Engineering

Congratulations Emerson Fittipaldi, Chevrolet, and Penske!!!

--+ 1993 Indianapolis 500 Winners +--

## 1.285 item335

From pvdh@motship.hacktic.nl Fri Jun 11 21:04:44 1993  
for ucc.gu.uwa.edu.au!real3d  
Date: Thu, 10 Jun 93 10:29:31 CET  
In-Reply-To: <9306081118.aa22401@hubbub.westford.ccur.com>  
(from Mark Thompson <mark@westford.ccur.com>)  
(at Tue, 8 Jun 1993 23:25:32 +0800)  
Reply-To: pvdh@motship.hacktic.nl  
From: pvdh@motship.hacktic.nl (Paul van der Heu)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: I WANT SOFT SHADOWS!

Hi Mark (Mark Thompson), in <9306081118.aa22401@hubbub.westford.ccur.com> on Jun 8 ↵  
you wrote:

> Now I'm not on this list just to continuously scream LW, LW, LW (I think  
> my posts have been pretty constructive thus far). But I will attempt to keep  
> people honest and objective once and a while.

besides, Lightwave is useless to me since it requires a dongle which only  
works in NTSC mode..

--

Paul van der Heu, The MotherShip Connection running DLG BB/OS  
Home of cOmCOn Productions, Amiga Multimedia in a BIG way  
FIDO - 2:280/207.0 , UUCP - pvdh@motship.hacktic.nl

'Givin' them something they can FEEL'

## 1.286 item336

From pvdh@motship.hacktic.nl Fri Jun 11 22:53:07 1993  
for mackerel.gu.uwa.edu.au!real3d  
Date: Fri, 11 Jun 93 10:47:31 CET  
In-Reply-To: <9306091609.AA005rt@heights.demon.co.uk>  
(from John Shiali <john@heights.demon.co.uk>)  
(at Thu, 10 Jun 1993 13:17:39 +0800)  
Reply-To: pvdh@motship.hacktic.nl  
From: pvdh@motship.hacktic.nl (Paul van der Heu)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Question from Andy

---



Hi John (John Shiali), in <9306091609.AA005rt@heights.demon.co.uk> on Jun 10 you wrote: ←

> mailing list now censored/moderated, and if so are you doing that job?

no and no

> saying that you just want me not to post bad things about Real? Are

No, I am not.. In this world you are free to say/post whatever you please, just try to channel you posts through the right channels. A collection of bugreports is of little use to the general public and should be directed at activa from where a solution can be worked on.

It is ok, fine really to be critical, but be constructive at the same time.. don't criticize for the sake of a bashing party..

> you speaking for Activa in this respect, and if not, do they know you

no, I am not speaking for Activa, if I was the article would have come from activa.

> are applying that kind of pressure to another registered user?

I am not applying pressure to anyone. I merely requested you to not post articles which have little use. (as this reply sadly is actually, I'll take it to email from here..

--

Paul van der Heu, The MotherShip Connection running DLG BB/OS  
Home of cOmCoN Productions, Amiga Multimedia in a BIG way  
FIDO - 2:280/207.0 , UUCP - pvdh@motship.hacktic.nl

'Givin' them something they can FEEL'

## 1.287 item337

From activa@motship.hacktic.nl Fri Jun 11 22:56:53 1993

for ucc.gu.uwa.edu.au!real3d

Date: Thu, 10 Jun 93 17:00:26 CET

In-Reply-To: <9306081406.AA12844@ad0.reach.com>

(from whitenn@reach.com (Shayne White -- BA/ITAS - Boston ))

(at Wed, 9 Jun 1993 13:51:07 +0800)

Reply-To: activa@motship.hacktic.nl

From: activa@motship.hacktic.nl (Paul van der Heu)

To: real3d@ucc.gu.uwa.edu.au

Subject: Re: Mirrored fonts

Hi Shayne (Shayne White -- BA/ITAS - Boston), in <9306081406.AA12844@ad0.reach.com> ←  
> on Jun 9 you wrote:

> I'm creating a logo using the Tube fonts that come

> with Real3D 2. I mapped the mirror material on them (used default

> mapping), and set up an environment picture, and enabled  
> environment mapping in the render settings. The fonts show up  
> as red (the environment pic is a blue sky w/ clouds). They are  
> shiny and appear somewhat like glass, but they aren't reflecting  
> the environment like I thought they would. And I am rendering  
> in the normal mode with one light wall. I'm probably making  
> a simple mistake...does anyone know what I'm doing wrong?

Hi,

Very simple, select your fontobject, go in to the palet and select  
fetch with the pull-down menu . you will then see that the font is  
originally red so just change it to white or any other color.

Activa/ J.P. Bresser

--

Activa International, Keienbergweg 95, 1101 GE Amsterdam, The Netherlands  
Phone 31 (0)20 6911914, FAX 31 (0)20 6911428, BBS 31 (0)20 6971880  
UUCP - activa@motship.hacktic.nl , FIDO 2:280/207.32

It's time to get REAL

## 1.288 item338

From gfxbase!ebers@tmpmbx.netmbx.de Fri Jun 11 23:36:50 1993  
id <m0o4BL6-0008tXC>; Fri, 11 Jun 93 17:48 MET DST  
Date: Fri, 11 Jun 93 17:38:45 CET  
From: ebers@gfxbase.in-berlin.de (Thorsten Ebers)  
Subject: Virtuellt mem

Hi reality people,

Is anyone using Giga-mem with Real3D V2.33 ?

I do not get working.I use version 3.0 of Gigamem.  
Real3D allways takes fast ram and no Gigamem-ram :-(

Any help would be wonderfull.

greetings Thorsten

---

Thorsten Ebers e-mail: ebers@gfxbase.in-berlin.de

Tel.: +49 30 321 3428

## 1.289 item339

---

From trb3@Ra.MsState.Edu Fri Jun 11 07:41:21 1993  
Date: Fri, 11 Jun 1993 12:41:21 -0500  
From: "Tony R. Boutwell" <trb3@Ra.MsState.Edu>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Real Problems

Hi..... 2 quick questions:

I have an amiga 4000 that I am running in multiscan productivity....  
(which seems to be the highest mode I can run it in without all  
of that 4000 screen promotion stuff....) The problem is: that when  
I render to dctv (as an external screen) it shows up on the computer  
monitor fine...(although it is shifted to the right a little??) and  
does not show up on the tv monitor..? any ideas on how to fix this?

also....when I open up the animation screen/window it is way to big/long  
(I am not sure what resolution it is opening in...but it goes off  
the right side "big-time".... I cant get the pointer over to the  
save button....to save any of my anims....? any ideas on this too?

besides that..... everything seems to be working great!

Tony Boutwell  
trb3@ra.msstate.edu (oh I am using v. 2.33 '40)

## 1.290 item340

From collett@agora.rain.com Fri Jun 11 09:20:00 1993  
Date: Fri, 11 Jun 93 16:20 PDT  
From: collett@agora.rain.com (Ray Collett)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: non FPU version of R3D2

>Tomek,  
>  
> It's true. Real3D v2 does not currently support non-FPU Amigas. Two  
>versions are included. FPU and 040.  
>  
>CarmenR - Crazy Artist  
>CarmenR@cup.portal.com  
>  
It's weird, I tryed the 040 version on my unacclerated A3000, and it worked fine.  
I guese that the 040 ver is not as optimized as we're led to beleve...

collett@agora.rain.com

## 1.291 item341

From dino@thought.demon.co.uk Sat Jun 12 02:47:21 1993  
Date: Sat, 12 Jun 93 02:47:21 GMT

---

In-Reply-To: <m0o4IOT-00001qC@agora.rain.com>  
 (from Ray Collett <collett@alex.com>)  
 (at Sat, 12 Jun 1993 07:24:50 +0800)  
 Reply-To: dino@thought.demon.co.uk  
 From: Dino Fancellu <dino@thought.demon.co.uk>  
 To: real3d@ucc.gu.uwa.edu.au  
 Subject: Re: non FPU version of R3D2

Hi Ray,

```
> >Tomek,
> >
> >   It's true.   Real3D   v2 does not currently support non-FPU Amigas.   Two
> >versions are included.   FPU and 040.
> >
> >CarmenR - Crazy Artist
> >CarmenR@cup.portal.com
> >
> It's weird, I tried the 040 version on my unaccelerated A3000, and it worked fine ←
>
> I guess that the 040 ver is not as optimized as we're led to believe...
>
> collett@agora.rain.com
>
```

I've heard from somewhere that the 040 version is very unoptimized, can't remember where though. What version are you using. I've also heard that some of the earlier versions were no different from the '030 version.

Dino.

```
{-----}<-----}<-----}
{                                     }
{ Hail Discordia! Hail Amiga! Undercover Must Die! }
{                                     }
{-----}<-----}<-----}
```

## 1.292 item342

From draco!sorvan@bison.mb.ca Sat Jun 12 18:01:59 1993  
 for gu.uwa.edu.au!real3d  
 From: sorvan@draco.bison.mb.ca (Colin Stobbe)  
 Subject: Polygon Mesh Problem  
 Date: Sat, 12 Jun 1993 18:01:59 +0000 (GMT)

Hello,

I've been using Imagine until I got R3D 2.0, so I'd like to convert the objects, and use them. Ok, so I convert the Imagine objects to Sculpt format, which RealConvert changes to R3D 2.0 format. When it asks me if I want triangles, or an object, I select object.

The problem comes when I try to manipulate the object in R3D, basically I can't seem to delete any of it. Sure I can use the <ctrl><shift> drag to make groups, and move the groups around, but I'd really like to get rid of them. Any way to do this besides having to

load up Imagine?  
Thanks,

---

Colin Stobbe | And it came to pass that Babylon 5 was confirmed  
sorvan@draco.bison.mb.ca | as a series, and there was much eeping! -COJ

---

## 1.293 item343

From boinger@myamy.hacktic.nl Mon Jun 14 01:30:10 1993  
Date: Sat, 12 Jun 93 14:53:07 MET  
From: boinger@myamy.hacktic.nl (Paul Kolenbrander)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: non FPU version of R3D2

Hello Ray Collett,  
On 12 JUN 1993 07:20:00 you said regarding Re: non FPU version of R3D2:

> It's weird, I tryed the 040 version on my unacclerated A3000, and it worked fine ←  
> .  
> I guese that the 040 ver is not as optimized as we're led to beleve...

It's not that it would not run, or run good for that matter. It's probably been optimized to make the best use of 040 caches that it can. Which does make a difference. As far as I can check, the 040 (2.33) version of Real is about 4 times faster on my A4000/040 than running on a standard A3000. Of course this is not all due to optimizing, but has a lot to do with the superior performance of an 68040.

My guess, the 040 version of Real is identical to the 020/ 030 version, but has just been recompiled for the 040 using the appropriate switches in the compiler. This would make sense from a development point of view. Otherwise they'd have to maintain two sets of sources.

CYa, Paul

--

-The difference between meat and fish is that if you beat your  
fish it dies

--

Paul Kolenbrander \ InterNet: boinger@myamy.hacktic.nl  
TurfvelDENstraat 37 \ Fido: 2:284/112.1 Paul Kolenbrander  
NL-5632 XH EINDHOVEN | - - - - -  
Voice: +31-40-415752 | Timezone:GMT+1 | Fax: +31-40-426446

## 1.294 item344

From oxleyd@dodo.logica.co.uk Mon Jun 14 03:13:10 1993  
Date: 13 Jun 1993 20:17:45 U  
From: "Oxley David" <oxleyd@dodo.logica.co.uk>  
Subject: RE: Speed of optimised Real40  
To: "Real3D" <real3d@ucc.gu.uwa.edu.au>

---

I posted some test results for rendering using Real2 020/030 and 040 optimised versions. John Shiali suggested that I might have a bottleneck using my DCTV. I downloaded Real020/030 2.33 (I was only able to test v2.31 before) and reran my test rendering to an IFF-24 file in RAM: (I deleted each the image after rendering to give each version of Real the same amount of memory, 20MB). Here are the results ('normal' ray trace, 2 lights, 736x566, antialiasing 2):

Version	Render Time
2.33 020/030	15 min 15 sec
2.33 040	15 min 00 sec

That makes the optimised version 1.6% faster. It would appear that DCTV has no adverse effect on rendering times, since the DCTV timings I posted were about the 15 minute mark as well. The DCTV library might affect timings if the rendering process were substantially quicker, but it would seem to have little or no impact on a render this slow.

I am unimpressed :-( I want a FAST (PAL) renderer!! Is the eightfold rendering performance claim in the manual a hollow one? I hope not. Guess I'll have to wait and see...

Regards,  
David Oxley,  
Logica UK Ltd.

## 1.295 item345

From hrmitter@cip.e-technik.uni-erlangen.de Mon Jun 14 20:21:26 1993  
From: Holger Mitterwald <hrmitter@cip.e-technik.uni-erlangen.de>  
Subject: Re: Virtuell mem  
To: real3d@ucc.gu.uwa.edu.au  
Date: Mon, 14 Jun 93 13:20:38 MSZ  
In-Reply-To: <9306111638.AA005pz@gfxbase.in-berlin.de>; from "Thorsten Ebers" at ←  
Jun 12, 93 1:27 am

> Is anyone using Giga-mem with Real3D V2.33 ?  
>  
> I do not get working.I use version 3.0 of Gigamem.  
> Real3D allways takes fast ram and no Gigamem-ram :-(  
>  
> Any help would be wonderfull.  
As far as I know Gigamem only takes public mem for swapping. In Aminet a program ←  
called f2p is around. This program  
changes all fastmem hunks into public mem hunks. Maybe this helps.

So long,  
Holger

## 1.296 item346

From trb3@Ra.MsState.Edu Mon Jun 14 06:24:29 1993  
Date: Mon, 14 Jun 1993 11:24:29 -0500  
From: "Tony R. Boutwell" <trb3@Ra.MsState.Edu>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Virtuell mem

any ideas yet on why dctv's external screen doesnt work right?  
ie: looks right on the computer monitor but doesnt show up on  
the tv monitor.....?

also how do I get the animation window to open up in a different screen  
resolution??? right now half of it is off the screen to the right...?

thanks  
trb3@ra.msstate.edu

## 1.297 item347

From amipb@amipb.gna.org Tue Jun 15 13:45:46 1993  
Date: Sat, 12 Jun 93 14:23:27 MET  
In-Reply-To: <9306032240.1.29419@cup.portal.com>  
(from CarmenR@cup.portal.com)  
(at Thu, 3 Jun 1993 21:38:09 -0800)  
From: amipb@amipb.gna.org (Philippe Berard)  
To: real3D@ucc.gu.uwa.edu.au  
Subject: Re: Help2

Hello CarmenR (CarmenR). On Jun 3, you have written :

> Hey! Thanks for your help! Using the Imagine IFF converter and then  
> converting to Sculpt, then converting to Real using RealConvert [sheesh!].  
> I can't wait to try this out.

From what I've heard, Vesa didn't want to have direct support of  
Imagine's format, so this is the way to go :-(

If anyone has a better idea (Pixel 3D Pro could be good for that job,  
too, but then you should have to save in Sculpt format :-( ).

Regards,

-- Philippe

```
.-----.  
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |  
| "They hold a cup of wisdom, | -> Please don't send mails |  
| But there is nothing within" (Kate Bush). | >50 Ko ! |  
'-----'
```

## 1.298 item348

From amipb@amipb.gna.org Tue Jun 15 13:46:45 1993

---

Date: Sat, 12 Jun 93 22:40:31 MET  
 In-Reply-To: <9306050554.AA19315@tfd.com>  
                   (from Mail Delivery Subsystem <MAILER-DAEMON@tfd.com>)  
                   (at Sat, 5 Jun 93 01:54:24 -0400)  
 From: amipb@amipb.gna.org (Philippe Berard)  
 To: real3D@ucc.gu.uwa.edu.au  
 Subject: Re: Misc. thoughts

Hello Mark (Mark Thompson). On Jun 2, you have written :

> I would be willing to bet that my current beta copy of LW has many times  
 > fewer bugs than the current release version of R3D. Its good to hear that

One thing important here : I don't think Lightwave 3.0 is a complete  
 rewrite of Lightwave 2, while Real3D 2.0 is a (quite) complete rewrite of  
 the previous one.

By the way, it's true that some *big* softwares like SoftImage or, even  
 more, Explore (TDI) are (were) full of bugs when being dropped to the  
 market, and it's even true that users should be open-minded to report  
 bugs to the programmers.

But we have the right to be exigent, even if Real3D is less expensive  
 than SoftImage or Explore, because the market is different and that  
 4000 Francs (\$800, in France) isn't something every Amiga Fan can afford.

I'm at the point where I agree with John and Paul :-)

> the developers are working quickly to remedy the problem, but I think its  
 > evident that this product was rushed to market.

"rushed" is maybe a little bit too much, considering the number of months  
 we have been waiting for the product, but it's close to what I think.

Regards,

-- Philippe

```

-----
| Philippe Berard (French Amiga User)          | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom,                  | -> Please don't send mails  |
| But there is nothing within" (Kate Bush).    | >50 Ko !                    |
\-----

```

## 1.299 item349

From amipb@amipb.gna.org Tue Jun 15 13:47:46 1993  
 Date: Sun, 13 Jun 93 09:30:00 MET  
 From: amipb@amipb.gna.org (Philippe Berard)  
 To: real3D@ucc.gu.uwa.edu.au  
 Cc: activa@motship.hacktic.nl  
 Subject: Suggestions

This list is carbon copied to Activa.



Here are some of the capabilities I would like to see implemented in Real3D v2.?? :

- *TRUE* scanline rendering :-) ;
- *TRUE* shadow mapping (rendered, but not raytraced), for the *TRUE* scanline rendering method above ;
- Radiosity (yes, it would be slow for the first picture of an animation, but doesn't slow a 100+ frames animation that much) ;
- Detail level (to speed up renderings a little more when the camera does travelings (when you look at an object from far away, you don't see all the details)) ;
- dynamic subdivision of the screen, another great speed-up found on workstations ;
- Projective rendering ;
- Adaptive ray-tracing (to have an automatic recursion depth) ;
- Stereoscopy (a la X-Specs) ;
- UNDO history buffer (to cut/paste/edit/repeat any command or group of commands) ;
- Fans & flabby objects, to allow easy creation of flags. These flabby objects should have rigid parts to allow tension control (like a tent cloth) ;
- Rendering time evaluation, like the one found in Lightwave (at least, from what I've heard) and on workstations ;
- Sound analysis/synchronisation to animate, for example, a face speaking a word (could be done by analyzing an IFF sample) ;
- Networked renderer (via ethernet) ;
- Ability to save the parameters of the fractal tree and fractal landscape in a named file. For example : Oak, bush, special, etc...

Questions :

- How do you make something explode, like told in the "features" list one or 2 months ago ? I know it will require some RPL programming ;
  - The one Carmen pointed out : is there any easy & fast way to extrude an IFF 2D surface ?
  - Why is the "Environment" mode so slow, as it have been told in the past features list that it was a scanline mode ?
-

- What is "Volumetric texture mapping" ? (also found in features list) It seems that it's different from mathematical textures done in RPL, so is there any way to put, for example, some fur; on an object ?
- The RealConvert seems to have some big problems with Real3D 1.4 big objects (many "Can't create wireframe"). Is it a well-known bug ?

Regards,

-- Philippe

```

-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
-----

```

### 1.300 item350

From amipb@amipb.gna.org Tue Jun 15 13:48:52 1993  
 Date: Sat, 12 Jun 93 14:20:08 MET  
 In-Reply-To: <9306032248.2.15325@cup.portal.com>  
                   (from CarmenR@cup.portal.com)  
                   (at Thu, 3 Jun 1993 21:56:11 -0800)  
 From: amipb@amipb.gna.org (Philippe Berard)  
 To: real3D@ucc.gu.uwa.edu.au  
 Subject: Re: Motion Blur

Hello CarmenR (CarmenR). On Jun 3, you have written :

> Philippe Berard,

Well, Philippe is enough, you know ;-)

> OK, I've sound the deal with samples in the animation window.. EXACTLY  
 > where do I give motion blur settings in attributes? Say there is a Level,  
 > inside that level is an elipsoid, and a few mapping objects for the elipsoid.  
 > Who gets his atts changed to make the blur.. The level? The mappers? The  
 > elipsoid?

Only the level should have MotionBlur, and you should then set the  
 "Smpl" gadget of the animation screen/window to a number greater than  
 0. Maybe you're in a wrong mode, Carmen. I don't know if MotionBlur  
 renders in Environment mode...

To show you something that works, here's a blurred spinning cone :

--8<-- CUT HERE --8<-- CUT HERE --8<-- CUT HERE --8<-- CUT HERE --8<--

```

begin 777 MotionBlur.lha
M(.TM;&@U+48* #^60 _' #,&@ "DUO=&EO;D-O;F7%QP@4>[[:)-^_W[NX
M $!%00$!:B ID4J% 16*1_<**@#P#W""Y=4X[O@.;W=]V^[N %5%J_]IK;=7X
M-5IFBT6T<T: KA5:7/W*J8;!:C4%645*"H*@AD3*B)^^[N Y4+_V78LNTFD=X
M-M$N5F[2;W[3>/>=\.FFWAW@V\&F\&F\.FTOMTWGWJW\#]_ /273;PZ3[F-9X

```

MG(XW,; !G#8 9.N.8Q\QYR&.'0 ROAM_QPO9D7UN.'<9"@ V>HLKE@0:)( %X  
MZG%0G@ Q.=% [<RT(E@L%CW K:4F X: ^!?:+;; 0\H'C#HSR<8A">1)BT&_\X  
M7^G&CTZ@@8M?Q8^,) \. !XPZ4@?+C' TY>O\L%@L?&'8X..G=D0T:,B=H<=< !X  
MU=P(4B<M"Q8_4 U:SVI:B=\$UW^\AVOSRAI@UBSW7XIN-O^IG2=UM7,[RCD:3X  
M6[.8Q>S#AOR8"7K:8AL;&Q Y1;>J^?:/+0A3BE1CY [J0E1?]68R>ZDT'V.2X  
M=#2O*H=[ ] [;WVL-F" ]M/^0SK/K &H6,,ZLM"7]0<?() _ !?Q(J3F&FS[ ]@^\X  
M_/4\$.D/(QO_(6N[DF<D"NE#CD>) \$C) #\87HJ_F&VRU2E.VRV+/Q,13N+.">X  
ML![S4J"!G-*F]O,) _ [_VVEK,ASX'>DX8L>^\$5D/-*0&="OE05IF>,JX3=X  
M?.# 'D3R^_TQI S%6![9I,K"Y5;;,9C,< 7I2*,QXVM^=Q6]9E/JB4GP%2FP"RX  
M[T@&6Q5E,P@%E!A59[593%,U?R#Q?="#!<UF%1*^@% @E>G,J0%BHJ* ^OK[X  
M<\CD<BTE1,T='1P)*2D@,[.SPDO+RX)R<G 3_ /SU'1T8*JJJF5Q<7\$!R'?XX  
M( &/Q@ D;\$ +%:,K=16DWE05*V*60+(QXU#(1H[+/SX;!OVQ2!S8]6# W0T!X  
M[>LTLDI*L#@-K-"5_;A%X\$7UN5_GE9,1'HQ?="P6( ("72E7G(E4<J(_E%1&"X  
M^; )7F<5GV0?["75664+LO8Q7&/LE\$!E=+T #A+53YA;&?KP('F2BK[ 7GI"X  
M][H#AJ\Y[EKXBPZJNU\ZLT;B+\ QO8(!F>U5EVG]F%=EZW*@QO DU5-X;S2RX  
MVY16DLI\$JIS:\S" [ ] -'5<[71"]+!YSWZ [=X_YP9=@Y,0QP? )VOD\$;:#VUX  
M220Y:IH@K^ /X5SI)5)J0\Z\YSHKRF=)XUZV\$;=,AB0[(Q[7C].^</'GL"X  
M^8[9^2&G\BB\O&UADGBF:^8/1^)]H.GU/IQ>D=0^WM-A2]39WL-/DO_K&\NX  
MG#S,=4^7T,1P2=_Q]7P_X+&'D>%M]!0\28]^3;I-R\9#>L.N)Z5;KXFNBL2X  
M:883<]'B[C"AKOE* C\$0_ )Y&>RU S7NP)G\$CM\$<7TJ8/6BB@A)Y'9L<TWVMX  
MKSIT2-EH;"!Y,(IP4/[&\)HJ'K:#V<Q5!UVO9]9J99Z[ ]:^C11Y0BM.'/LYUX  
M^U]V^15+%V?9IL[/LK7#^&5;"LS*PUH\$"U<)<M*6%;E<T SW^"E5LUIDQ>%OX  
M /VC.'%MS<W SN=5LN[+WV=3II;U()L=.A'28I\$H(+5Y_@&57 =)]P:6/WQLX  
MJJ!!,;3X(8U8[9 QBT%%;ZE!51\2(49XK>L#\4,; %0QI4,"""[,,,;@'WWX8X  
MV E^"KA@53&GU%E.,M9 ' ]<,:[XY^M88UC\$B51^G<WVHTTKF<9!6V2,3(OJIX  
MNF5&FNKR!7G_\JOW1?^XK^VC3?W*_@JFK["OY !HQJ 5A5]FF*2SP:7/5[#YX  
M4K(A)F;NV796@T3RX@SO&T\;#J*)PR&'7TX:G!1="R2) >*)4<(T"D-1DV,X  
MX]4^X)H\$'BO,M0:T-)FW2AJ[YE \NNU=B=@&HG<N&GED_CQI--Z;UKU/L. 8X  
MOZ./?I'22H>>\5\$IC;O(\$SZC53=A-YH/)>KE?&'--8=W=YLUN&9G#RXB4Z?X  
M'P/OQ%]=Z=!R/FW2M#OYGY2Y?Z%?D->D!-W;/OH:Y'3&D<=)\$\A/65WFSNA)X  
MV_*<>?8^+I;>Q[>---&=G/L&#]7?SU\$U1[ ]WK_J!Z?!@'Q AWO]XTVKM8TU7X  
M!LEQII8_/&FL1<::6/>C3>^X-+ '\8TV;^"&-*YK9R63LOHE<V04;G1D0Q]/^X  
M:&-P>B^ [&F\Q930?PAC<?,1'7AC1(I9!(EL/T=KS"PHFUQ2HS"(:-&1>[ ?KX  
M08LX[ ]9O77&:\N,U]0D4)AD'WS-@7&;"N,[DN,V)<9L:XS9"!;83R2+1#=LSX  
MN9]1\$C [ESLJ60(/ (T*#X3.Z'U"=4;7!G=4HZ*0BQ3O]P9W8HSC!D!%D;=HSX  
M9BC/NY/9RLG]<V[1G=QD2)"E3#?#<[0?D\$2%(@&(N#-I/CI.\M-J%D]4;7!GX  
M>%>3Q[-'/: ,VN,D\$HQ\$2.BN+G;%B-XNX,VU..0.A[B [RC&31G=1O>HL@=0EX  
M[C-_P!+1\3NW/>US ]N7&=\7&;>N,W >*BDPR?WC/._7,W\$2-[?6O;F=]/CCX  
MD(\$T@FN#._1HN(Y2CH4B?MF;D>0H^N9?;,_D'DZ<A#\$J\$XW;,[^N37^" G-PX  
MHN_#N5,!WK'X\$#+;\KOPZA(;/\$1*(9:390#.LHPP&U8I=[61__P<%#[N,? ]@X  
MAY0/&'3C1Z=00,F=D:I+KP6A0L%@L%@L?LX<^S?U]25\$_EB"G]=9#&QQ2G_7X  
M?UX,%R64<=9OZ[+F72W]?WG]<2H1I49Y*)_6J2[_I_6T%Z!2P6"P6/B?UP,MX  
MP54^V)_7U)F''''0=A_6= QESZ_XY]>.\$EUW 7/KE@L%@L%C]K^N#Q4 +O?O6X  
M.#CI^O^YFU?CHD,7&)\M:=%TP"Z9L7IBLR^QLNA'4LE<U5]]C\$!HR[4,?1; ;X  
M?&F#I'F*N7S-9;=_#<RKA6W'#'81_ Z>EAK;\$)KP%M2!FIWL=C\KP2T]C'-GX  
M@DGFYN";\BD1.^:M=H-53Q >,TQU\ .S^[#L8W%Z.)J'4GFZ9*F:?,NI,YY+X  
MS1S\$-?@K6-#D^774\$YN=IL#U:61#2Z#B<[Q9-F#7/N4PLOK_)#1,&D8Z/8IX  
MB>FVF.HZ3=\$&DN<9!WMOE SG,Z#<[L\$>36>;3/\$-MY7O6_9YI:\=@Z6J9SZJX  
M%i6AE%WV:U-2W,(:FQW<U%ULR'ZN,WN49Z5U#3Y'"^G3^"XAZ&@R;/Y_"W@:X  
MR)O]2-L-,&I^EH]PO'JT-;N]AQ^C)^T'I;NPR7AR20/"P"+::NIS)/':<!<MX  
MCI>@33>>S>8=4QY/M_U_U.8.>6=-OD*!S<=84F;L856Z#G5W^SH.#RKIS[NBX  
M[7\$U7AG_77]I0&KM'D<3,US<?/(QB#UIF1>M=.%MUE KA<@6G5X+;AMQ;=<X  
M\+B@[ ]]:P3333Y+\$4/R]" "HP?..]"5R&X-->J]5%IEJ--6>V1G"^~J UM#F:X  
M2EWT0::VZ1S.5Q6>#+DMOHOVB?WO\$:B#%8FZ#-, 'F2\$C/]8U;1>4[-\$C9:&PX  
MD(0.?&36?8ME(FLLUMBK7U"OYL#I&R8:93Y3\$I\ICMLDG3<*_ =(>>%29(0YX  
*!XO&'3L&<M/^ &LLX

X

end

--8<-- CUT HERE --8<-- CUT HERE --8<-- CUT HERE --8<-- CUT HERE --8<--

See you soon !

Regards,

-- Philippe

```
.-----.  
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |  
| "They hold a cup of wisdom, | -> Please don't send mails |  
| But there is nothing within" (Kate Bush). | >50 Ko ! |  
'-----'
```

## 1.301 item351

From john@heights.demon.co.uk Mon Jun 14 08:13:13 1993  
14 Jun 93 18:00 BST  
Date: Mon, 14 Jun 93 08:13:13 GMT  
In-Reply-To: <199306131913.AA06964@ucc.gu.uwa.edu.au>  
(from Oxley David <oxleyd@dodo.logica.co.uk>)  
(at Mon, 14 Jun 1993 03:16:27 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: RE: Speed of optimised Real40

Hi Oxley (Oxley David), on Jun 14 you wrote:

```
> Version      Render Time  
> 2.33 020/030 15 min 15 sec  
> 2.33 040     15 min 00 sec
```

I give in - you must be correct....

John .. InterNet - john@heights.demon.co.uk  
FidoNet - 2:253/510.9

## 1.302 item352

From nvukovlj@extro.ucc.su.OZ.AU Tue Jun 15 21:18:18 1993  
Date: Tue, 15 Jun 1993 11:18:18 +1000 (EST)  
From: Nikola Vukovljak <nvukovlj@ucc.su.oz.au>  
Subject: Re: non FPU version of R3D2  
To: real3d@ucc.gu.uwa.edu.au  
Cc: Multiple recipients of list <real3d@ucc.gu.uwa.edu.au>  
In-Reply-To: <9306121353.AA00cv8@myamy.hacktic.nl>

On Mon, 14 Jun 1993, Paul Kolenbrander wrote:

```
> Hello Ray Collett,  
> On 12 JUN 1993 07:20:00 you said regarding Re: non FPU version of R3D2:  
>  
> > It's weird, I tried the 040 version on my unacclerated A3000, and it worked ↵  
    fine.  
> > I guese that the 040 ver is not as optimized as we're led to beleve...  
>  
> It's not that it would not run, or run good for that matter. It's probably  
> been optimized to make the best use of 040 caches that it can. Which does  
> make a difference. As far as I can check, the 040 (2.33) version of Real  
> is about 4 times faster on my A4000/040 than running on a standard A3000.  
> Of course this is not all due to optimizing, but has a lot to do with the  
> superior performance of an 68040.  
>  
> My guess, the 040 version of Real is identical to the 020/ 030 version, but  
> has just been recompiled for the 040 using the appropriate switches in the  
> compiler. This would make sense from a development point of view. Otherwise  
> they'd have to maintain two sets of sources.  
>  
The program should run 3-4 times faster on the 4000 than on the 3000 even  
if it wasn't recompiled for the '040 as long as most of the FP functions used  
were those directly supported by the 040's built-in FPU.
```

So, if the speed increase is only 3-4 times than the code hasn't been  
optimised too well at all (even if it was recompiled)..

Nik.

nvukovlj@ucc.su.OZ.AU

### 1.303 item353

From john@heights.demon.co.uk Mon Jun 14 18:15:27 1993  
Date: Mon, 14 Jun 93 18:15:27 GMT  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
Subject: Modem Setting for Activa's support BBS

Does anyone have modem setting for connecting to Activa's support BBS  
that *consistently* work? Preferably for a SupraFax...

John ..    InterNet    - john@heights.demon.co.uk  
          FidoNet    - 2:253/510.9

### 1.304 item354

---

From oxleyd@dodo.logica.co.uk Tue Jun 15 16:41:26 1993  
Date: 15 Jun 1993 09:42:44 U  
From: "Oxley David" <oxleyd@dodo.logica.co.uk>  
Subject: Optimising Real40?  
To: "Real3D" <real3d@ucc.gu.uwa.edu.au>

I downloaded an image archive from Real's BBS yesterday. One message in it interested me. It was, presumably, from JP Bresser at Activa to Vesa Meskanen (Andric is another Activan). The interesting bit related to the optimisation of Real40. It reads as follows:

--- Quote on

Hello, JP.  
[deleted]

Then some information about the 040 version, which Andric asked: the optimizations are carried out using SAS C v.6.2 compiler 040 options. Unfortunately speed difference is quite small, as it was correctly pointed out. Hopefully SAS will improve the compiler to fully utilize 040; in the current multi-platform development situation, we do not have time and resources for significant amount of asseby [sic] hand-optimizing, since that work is not portable.

Regards, Vesa

--- Quote off

Hmmm. From the minimal speed increase I reported on Sunday (1.6%), it looks as though we're hanging on SAS to get our *proper* speed up :( if Realsoft can't spare the effort to optimise Real40 manually. It's a shame that Vesa feels it isn't worth making full use of the 040's instruction set.

Regards,  
David Oxley,  
Logica UK Ltd.

## 1.305 item355

From watters@cranel.com Tue Jun 15 11:39:58 1993  
Date: Tue, 15 Jun 93 15:39:58 EDT  
From: David.Watters@cranel.com, GraphX head <watters@cranel.com>  
To: lightwave@bobsbox.rent.com  
Subject: Seagate 3600A for DPS PAR, mailing list deal.  
Cc: imagine@email.sp.paramax.com, real3d@ucc.gu.uwa.edu.au

> I hate to make a plug, but if people are planning on getting a drive for  
> the DPS Personal Animation Recorder... I strongly suggest you get in touch  
> with the company I work for...

Welp, I asked for it I guess.

I have been flooded with requests for pricing information on this drive, so

---

I will post a general reply and not a direct one to each individual.

#### The Situation:

Cranel Inc., is a distributor of mass storage and imaging products. Cranel sells almost exclusively to VARs (Value Added Resellers) and VADs (Value Added Dealers) in the Unix storage and DOS/Windows - OS/2 Imagine markets.

Cranel, as a distributor, does not sell into any Amiga markets directly, and there are currently no Cranel VAD/VAR customers servicing Amiga customers.

As a unique situation, and as a personal project, I am providing a quote on a storage product to my fellow Amiga users and graphics artist.

I am recieving no commission or compensation for this, which is why I don't have a problem with this article. It is merely a gesture of friendship to those of you I talk to through Email, mailing lists, newgroups, or in person. It is also my little bit to help service a platform that gets nothing but disrespect from the markets Cranel services everyday.

If I can just get someone like HP to notice that a few of their drives are being sold to Amiga owners I will have accomplished something.

#### The Quote:

The only drive to have been qualified on the DPS Personal Animation Recorder so far has been the Seagate 3600A.

The 3600A is a 540MB formatted IDE drive  
It has a 10.5ms average seek for reads and a 12ms average seek for writes.  
It is rated at 200k power hours between failure and draws 5.5watts idle.  
The drive runs at 5,411RPM for a average lantency of 5.54ms.  
It is a low-profile drive with dimmensions of; 1" high, 4" wide, 5.75" deep, and it is 1.65lbs.  
It has a 256KB multisegmented cache and a 2 year warrenty.  
(This is all from the spec sheet)

The price is \$750 plus shipping and must be done COD, Visa, or Mastercard. No terms.

You must be a current member of one of the Amiga related mailing lists at this time to be able to get it at this price. This is merely to limit the scope of who is involved.

I would like to publicly ask the administrators of these list if they could send me a current subscription list to help keep things fair.

If you are interested you should get in touch with me through Email at: [watters@cranel.com](mailto:watters@cranel.com)

This unique situation does not apply to any current or future Cranel customers that are already being represented by a Cranel salesperson.

— —

---

David ~ |_,--' |@,____  
Watters ~ ( )-_____-() `-

--

David R. Watters (watters@cranel.com) Cranel Inc. Development & Engineering  
"Porsche. The very name is, to many, the last word in sports cars. Any car  
blessed with these magic seven letters is sure to be the very best. Period!"  
- Car and Driver, January 1993

## 1.306 item356

From switenn@reach.com Tue Jun 15 10:35:38 1993  
Date: Tue, 15 Jun 93 14:35:38 EDT  
From: switenn@reach.com (Shayne White -- BA/ITAS - Boston )  
Subject: version 2.34

Realsoft International has just posted version 2.34 up on the BBS  
in Canada. Judging from the docs with it, a lot of bugs have been  
squashed. I have the list at home and will try to remember to  
bring it in so I can post them.  
I may be wrong, but rendering seems faster also (in normal mode).

Shayne

```
+++++  
+ SHAYNE WHITE - STANDARD DISCLAIMER .... +  
+ AMIGA 2000, RCS FUSION FORTY, 7 MEGS RAM, 213MB MAXTOR +  
+ SWITENN@REACH.COM +  
+++++
```

## 1.307 item357

From switenn@reach.com Tue Jun 15 10:16:16 1993  
Date: Tue, 15 Jun 93 14:16:16 EDT  
From: switenn@reach.com (Shayne White -- BA/ITAS - Boston)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Suggestions

Reply --

Most of your suggestions would be welcomed I think, and it  
is good that you are sending them to Aactiva and not just  
denouncing R3D2 because it doesn't have them. By the way  
Phillipe, what is radiosity?

---



Shayne

```

+++++
+  SHAYNE WHITE - STANDARD DISCLAIMER ....      +
+  AMIGA 2000, RCS FUSION FORTY, 7 MEGS RAM, 213MB MAXTOR      +
+  SWHITENN@REACH.COM                                          +
+++++

```

*===== Regarding =====*

Date: Wed, 16 Jun 1993 01:22:49 +0800

This list is carbon copied to Activa.

Here are some of the capabilities I would like to see implemented in  
Real3D v2.?? :

- *TRUE* scanline rendering :-) ;

## 1.308 item358

```

From lee@auriga.rose.brandeis.edu Tue Jun 15 12:42:47 1993
Date: Tue, 15 Jun 93 16:42:47 EDT
From: charles lee <lee@auriga.rose.brandeis.edu>
To: real3d@ucc.gu.uwa.edu.au
Subject: Re: Suggestions
In-Reply-To: Your message of Wed, 16 Jun 1993 04:10:10 +0800

```

I have the 2.34 list so I'll post it to save Shayne's fingers

## 1.309 item359

from typing... (PowerSnap!)

V.2.34

-----

- Render settings/Set file name menu works now.
  - Palette window/Fetch function deadlocked the object structure when it was applied without any objects being selected. This bug is now fixed.
  - New method levels are now named according to their method type.
  - FIL_LOAD word did not work from an RPL window; this is now fixed.
  - From now on, select window produces a reversed argument list order when the user drag-selects multiple objects upwards.
  - The RPL word GET_VECT no longer rounds the initial values to integers.
  - Morphing syntax error produced an Amigaguide help call with a wrong node reference; this works now correctly.
  - <ALT><LMB> no longer pushes vectors to stack; instead, <ALT> works
-

- as a 'selected objects only' qualifier when using <LMB> dragging to average points of objects.
- The additional 'Dvect' point of planar primitives (rectangle, circle, polygon) is now ignored in vector stack and dragging operations. For example, the examples of the tutorial page 1.3 work now properly.
  - Animation window Play To/Jump To gadget was not correctly set when the window was opened. This bug is fixed.
  - Extend function locks now properly to grids.
  - An attempt to delete all points of a mesh is now handled correctly.
  - Wireframe-invisible morphing targets are now accepted.
  - Named Colors/Modify menu function works now properly.
  - B-spline surface 'Move Knotpoint' bug fixed.
  - Cancelling conical tube tools in level name query works now.
  - Object name length overflow bug in RealConvert utility is now fixed.
  - Lathe tool leaves the axis visible and does not use primitive name query. Also, level name query is done after the shape definition as with the other compound tools.
  - Ellipsed polygon/polyhedron tool level name query moved to a proper place.
  - Create/Freeform/Orthogonal tool improved; it accepts now multiple control points without problems and does not produce errors when the sweeping curve is a circle with even number of points.
  - Autofocus supports now multiselection.
  - Some incorrect RPL startup shortcuts fixed
  - Vector tag bug in View/Render/Export RPL fixed.
  - Rendering error, which occasionally clipped edges of polygons away, is now fixed.
  - Plenty of system autorequester calls, which confused screen order, have been replaced with a nicely behaving custom requester.
  - Data format documentation for developers expanded.
  - Skeletons work now well also when 1st and 2nd skeleton curves are parallel.
  - Measuring window: occasional deadlocks removed and TAB key activates the next numeric gadget also under Amiga OS v.37.
  - Deltaplay program handles overscan displays better now.

```

O-----O
| Charles Lee      //\\/\      | _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ | Focus Graphics | |
| ~~~~~~ C o.o    |          |          | ~~~~~~          |
| Fortress Amiga \_/_/ -"AMIGA!" | - F O R T R E S S - | 2D/3D Graphics |
| Structural Biology Lab          |          | 3D Animation   |
| Brandeis University             | _____/\_M_I_G_\_____ | 617-891-1367 |
O-----O

```

### 1.310 item360

From john@heights.demon.co.uk Wed Jun 16 08:23:00 1993

Date: Wed, 16 Jun 93 08:23:00 GMT

In-Reply-To: <9306151835.AA06970@ad0.reach.com>

(from Shayne White -- BA/ITAS - Boston <swhitenn@reach.com>)

(at Wed, 16 Jun 1993 03:54:57 +0800)

Reply-To: john@heights.demon.co.uk

From: John Shiali <john@heights.demon.co.uk>

To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: version 2.34

Hi Shayne (Shayne White -- BA/ITAS - Boston), on Jun 16 you wrote:

> Realsoft International has just posted version 2.34 up on the BBS  
> in Canada. Judging from the docs with it, a lot of bugs have been

Hey! It's not on the Atriva BBS yet! Was supposed to be last week, or am I just being stupid - where is it supposed to be? I have posted messages asking this both via Internet and on the BBS last week, but I have had no answers... Anyone know?

John ..     InterNet    - john@heights.demon.co.uk  
             FidoNet    - 2:253/510.9

### 1.311 item361

From john@heights.demon.co.uk Wed Jun 16 08:53:20 1993  
Date: Wed, 16 Jun 93 08:53:20 GMT  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
Subject: Real Wishlist

Does anyone know the answers to these questions or if there are ways of doing this that haven't been found - this was put together by quite a few people....

1) Is the DOF related to the focal length? The manual states the DOF scale 'controls how the Absolute Spatial Distance of an object from the Aim-point affects the focus' But how does it control it?

2) How can the user determine the order in which vectors are placed on the stack? If you SHIFT-DRAG around a sphere all of its points are placed on the stack but how can I tell in which order? Does the order remained the same regardless of which axis was selected when the drag was performed?

3) The measuring window. What does the 'N' gadget do and under what circumstances? How does it define the depth of an object being created? Why does the measuring window close when you close an environment, or refuse to open on any screen but the first that was opened? Is it possible to have absolute and relative coordinates active at the same time? Why don't the settings defined in the measuring window affect the view window coordinates?

4) Joining primitives, why will it never join more than two meshes? Can it be made to do so in the order they were extend selected?

5) When pasting objects into a select window why can't you insert it above the currently selected object? At the moment you have to do two cut and pastes to achieve this.

6) Collision detection. I seem to have discovered a bug related to objects colliding. If you 'throw' a sphere at the corner of a cube the cube will only

---

start to spin in one axis. If you hit the top left then it will spin around the x axis, hit the side it will spin around the y, but never both. Why? Is it a limitation of the animation system? I tried the suggestions passed on via the Aactiva Support BBS but it didn't improve the situation at all. I have got it down to a fine art now and moving the sphere one pixel left or right alters how the cube spins as a result. There is no grey area here, it does one or the other, never both.

7) The obscure and add wire functions from V1.4 were very useful. Is it possible to add a similar facility to V2?

8) Is it possible to add some kind of warning that would appear when you go to render that lists incorrect boolean attributes in the hierarchy. Chris Perigo had all sorts of problems with objects in a scene 'disappearing' with no obvious cause. He finally, after two days of looking at it, traced the problem to one primitive being inverted when it shouldn't have. The object was used in an AND NOT and was later copied to be used elsewhere in the scene. Select windows give no indication of whether objects are inverted or not and therefore the user has to manually check each object to find out which ones are. There is no way we can remember which ones are which on a complex scene. Along with a warning is it possible to append a flag to inverted objects in a similar way to textures so they stand out in the select window.

9) Can we have the boolean DIVIDE as used in V1.4 back please, I found this one of the most useful operations. You can perform the same operations with just AND or AND NOT but you have to do it twice.

10) Is it possible to have a pause button on the rendering status window? This would enable you to pause a render should you need the CPU time for some other task.

11) What is C_TOROID? It is in the RPL VLIST but it is not documented.

12) Is there any way to lock a view window to a camera so that when you alter the cameras position the view automatically gets updated. At present you have to select the window and select View > Camera > Camera - View or <RAM>W each time you move it.

13) Savable fractal tree and landscape configs.

14) Freeform rotation no longer asks for a angle of rotation and always does 360 degrees. Can a requestor be added please.

15) Cannot cancel a render during optimization, this can cause very long delays if you are working on a complex scene.

16) Is it possible to close Workbench whilst running Real? This would enable users to have more chip ram available for a greater variety of rendering screens. It can also be annoying when cycling through screens having WB there.

17) Cylinder mapping - The texture always gets put on back to front meaning you have to flip it in Dpaint before using it. This means having a copy of the brush if you intend to use it for parallel mapping as well.

18) Real keeps the textures in ram after it uses them once. This ram should

---

be given back to the sytem once the render has finished. If you are using several 24bit textures you may not have enough ram available to run say Art Department to edit one of the textures and will have to reboot in order to do it. The other side effect is that if you change an iff texture in Dpaint or ADPro Real doesn't use the changed version in future renders unless you go and change the name in the material, apply it, start a render, abort it, change it back again... Real should load the textures in every time you render.

19) If you hold down <RAM> and + on the numeric pad instead of zooming in the screen flashes and the HD is accessed. This does not happen if you use '<RAM> <SHIFT> =' to zoom in. While I was trying to recreate this report I discovered that '<RAM> =' produces the same flashing and files being opened.

20) Soft shadows don't have any affect on bumpmaps. The bump mapped pattern disappears along a straight line regardless of how high the light sampling is set in the render settings.

21) Out of focus objects and soft shadows aren't reflected as blurred, they always appear sharp. Is this a limitation of the program? This also occurs when you view a out of focus object through a sharp 'glass' object but I guess this is strongly related to relfections.

22) Another missing function from v1.4 I'm afraid. You can no longer use curves as definitions for compound objects other than in freeform creation where they are essential. V1.4 would let you use them for polyhedrons, lathel, tube tools, etc. This was extremely useful and most of these tools were never used without this ability. V2 expects you to get it right first time, 1.4 would let you play with the definition to your hearts content.

23) Autofocus is somewhat unpredictable. It will often place the selected object in one corner of the screen.

24) If you make a open line with just a start and end position and then remap it to 8 points it will end up with a loop stretching out of the middle. This suggests there is a bug with remapping freeforms. It also prevents an easy way of making a straight line with more than two points.

25) Regular cut polymid will not let me define the size of the other end on my machine but works correctly on Chris Perigos'. I have an A1500 with a Fusion Forty 28mhz 68040 with 8mb of 32bit fast ram and 1mb of chip. He has an A1500 with a GVP G-Force 030-40 card with the same ram as myself. I have tried both the 040 and 020/030 versions of Real but neither let me perform the operation. Other cut primitives work correctly. Chris says the tab key will not let him create a centered second end on the regular cut polymid. It places the cursor in the centre but then sizes the second end from a different offset position. On my machine the second end stays as a point and is just moved between the centre and a position NW of the it in the Z axis and between centre and W when created in the X and Y. I have cut my startup-sequence and user-startup down to everything that is absolutely necessary which is just assigns and mounting a second hard drive. This makes no difference whatsoever.

26) Certain input windows will not accept the return key as okay and you either have to press 'O' or click on the 'OK' gadget to enter the number. This is un-necessary and very annoying.

---

27) The small '+' cursor needs to be updated in every view window every time you click in one. At present it only updates in the currently selected window. This slows down the creation process.

John ..     InterNet   - john@heights.demon.co.uk  
              FidoNet   - 2:253/510.9

## 1.312 item362

From lee@auriga.rose.brandeis.edu Wed Jun 16 00:34:46 1993  
 Date: Wed, 16 Jun 93 4:34:46 EDT  
 From: charles lee <lee@auriga.rose.brandeis.edu>  
 To: real3d@ucc.gu.uwa.edu.au  
 Subject: Re: version 2.34  
 In-Reply-To: Your message of Wed, 16 Jun 1993 16:10:07 +0800

John Shiali writes:

>Hey! It's not on the Aactiva BBS yet! Was supposed to be last week, or  
 >am I just being stupid - where is it supposed to be? I have posted  
 >messages asking this both via Internet and on the BBS last week, but I  
 >have had no answers.. Anyone know?

Hmmm... try 1-519-436-0140, that's the number of the North American support BBS. Vesa u/l'ed it directly there.... Not too sure about the Aactiva BBS; is that the one in Europe?

```

o-----o
| Charles Lee      //\\\ | =_=_=_=_=_=_=_=_=_=_ | Focus Graphics |
| ~~~~~ C o.o    |      | ~~~~~ |
| Fortress Amiga \_/_/ -"AMIGA!" | - F O R T R E S S - | 2D/3D Graphics |
| Structural Biology Lab          |                      | 3D Animation   |
| Brandeis University             | _____/_M_I_G_/_____ | 617-891-1367 |
o-----o

```

## 1.313 item363

From oxleyd@dodo.logica.co.uk Wed Jun 16 17:11:36 1993  
 Date: 16 Jun 1993 09:24:37 U  
 From: "Oxley David" <oxleyd@dodo.logica.co.uk>  
 Subject: RE: Speed of optimised Real40  
 To: real3d@ucc.gu.uwa.edu.au

Hi John, on June 15 you wrote:

```

>> Version      Render Time
>> 2.33 020/030  15 min 15 sec
>> 2.33 040      15 min 00 sec
>
>I give in - you must be correct....

```

It's a pity though - I wouldn't have minded being wrong if it had shown Real could go quicker!

BTW, Real40 v2.34 is no quicker either, although they didn't say it would be. At least it's no slower!

Regards,  
David Oxley,  
Logica UK Ltd.

## 1.314 item364

From flax@frej.teknikum.uu.se Wed Jun 16 13:19:41 1993  
Date: Wed, 16 Jun 1993 11:19:41 +0200  
From: Jonas Flygare <Jonas.Flygare@syscon.uu.se>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: version 2.34

Any chance of an internet reachable copy??  
Also, how the !!!!! do I set the screenmode of the render screen and the default work screen to take advantage of my new nifty monitor?  
(I've asked this already, but either it went to the big bitbucket on /dev/null, or it's in the queue on the listserv..)

## 1.315 item365

From brendan@ucc.gu.uwa.edu.au Thu Jun 17 04:32:28 1993  
From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>  
Subject: Re: Missing Mail  
To: real3d@ucc.gu.uwa.edu.au  
Date: Wed, 16 Jun 1993 20:32:28 +0800 (WST)  
In-Reply-To: <9306081933.AA00eq8@amipb.gna.org> from "Philippe Berard" at Jun 10, 93 03:30:33 pm

>  
> Hello John (John Shiali). On Jun 7, you have written :  
>  
> > There seems to be mail missing from here - I am seing replies to  
> > original messages that I haven't seen, and people saying that they  
> > haven't seen my posts - is anyone else having problems?  
>  
> Yes, I've had a big routing problem with something which added  
> "Reply-To: uniwa.uwa.edu.au", and got many bounces on that last  
> site. Maybe someone is trying to kill us ? ;-)

The uniwa problem was becuase I attempted to RCPT mail in larger batches to that machine so as to lessen the load on the link. This has been stopped due to numerous problems that this caused.

> Now, I always check if the return address is REALLY  
> real3D@mackerel.gu.uwa.edu.au

---

Wow....

> Regards,  
> -- Philippe

--  
Brendan Langoulant  
brendan@gu.uwa.edu.au

## 1.316 item366

From brendan@ucc.gu.uwa.edu.au Thu Jun 17 04:53:56 1993  
From: Brendan Langoulant <brendan@ucc.gu.uwa.edu.au>  
Subject: Re: maillist readme and admin address  
To: real3d@ucc.gu.uwa.edu.au  
Date: Wed, 16 Jun 1993 20:53:56 +0800 (WST)  
In-Reply-To: <9306101326.AA003nv@thought.demon.co.uk> from "Dino Fancellu" at Jun 10, 93 09:12:26 pm ←

>  
> Paul said,  
>  
> > Could any kind sould please mail me the initial mailing on the list,  
> > as I have lost it somewhere.. Also I would like my address changed,  
> > but get no reaction from what I believe is theadmin address, so it  
> > might be wrong.. Could anyone pleas eget me the correct admin address?  
>  
> I want my address for this list changed as well to dino@thought.demon.co.uk,  
> I have sent mail to Brendan but to no effect, help. Its now being bounced  
> from work up to me, a bit of a waste of time. Is Brendan on holiday  
> or just snowed under?

Snowed under!!!! HA!!!! Only 347 mail items in 3 days.... Surely thats not a problem...<sniff> ;-(

Please... If you want to UNSUBSCRIBE from the list send mail to

listserv@gu.uwa.edu.au  
<subject line doesnt matter>

with some body text like

unsubscribe real3d

This will unsubscribe you from the list...

To change your address. Please unsbuscribe and subscribe again...  
This may solve at least part of my mail bandwidth.

>  
> Dino.

BTW. Dino and Paul : Your mail problems should be fixed now so dont listen to that advice.

---



--

Brendan Langoulant  
brendan@gu.uwa.edu.au

## 1.317 item367

From trb3@Ra.MsState.Edu Wed Jun 16 05:46:33 1993  
Date: Wed, 16 Jun 1993 10:46:33 -0500  
From: "Tony R. Boutwell" <trb3@Ra.MsState.Edu>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: dctv & anims

Hi.... Still have that problem of real not displaying the dctv picture correctly.... (it shows up on the monitor <shifted to the right> and does NOT show up on the tv monitor)

also.. When I open up an animation window, it comes up in the wrong resolution...only 1/2 the screen is accessible while the other half is off the right side. The only way I have been able to fix this is to open another screen at the default screen resolution and then run the anim window from there....(which is OK) but is there away for it to just open in the right resolution without having to use an extra environment window...?

info: I am using an amiga 4000 '040, 19 megs of ram, c= 1960 monitor, dctv, and I am running in multiscan productivity on both the workbench and real-startup screen. Note: I am not using any of the 4000's screen promotion (double_ntsc) stuff because dctv will not work at all with them. version: 2.34 '40

I really hope the makers of this program (I know they/you are busy) could respond to this and let me know if they are aware/fixin the dctv bug for the 4000. Thanks.... Ps. How much will they/you be charging the owners of amiga real v2 for a version of windows version??? will there be a discount.

and for any of you multi-platform guys out there....which environment would be faster for real.... I have the 4000 and also a 486-DX 50. (I know you will be able to do both at the same time with their linking program....but which system would be faster at rendering?)

Thanks,

Tony Boutwell  
Computer Graphics Major  
Engineering Research Complex, MSU

## 1.318 item368

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From mcdonoug@dmpe.csiro.au Fri Jun 18 01:33:29 1993  
Date: Thu, 17 Jun 1993 15:33:29 +1000  
From: Graeme Mc Donough <Graeme.McDonough@dmpe.csiro.au>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Question??

Is there an Imagine user Group as well as this real-3d group??

### 1.319 item369

From GRINNEJ3331@iscsvax.uni.edu Thu Jun 17 02:16:35 1993  
Date: Thu, 17 Jun 1993 07:16:35 -0500 (CDT)  
From: GRINNEJ3331@iscsvax.uni.edu  
Subject: REMOVE  
To: real3d@ucc.gu.uwa.edu.au  
X-Envelope-To: real3d@ucc.gu.uwa.edu.au

REMOVE

### 1.320 item370

From collett@agora.rain.com Thu Jun 17 16:52:00 1993  
Date: Thu, 17 Jun 93 23:52 PDT  
From: collett@agora.rain.com (Ray Collett)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Materials in R3D2

>  
>I have used the Essence package by Steve Worley (for Imagine) and  
>I'm wondering if he plans to port some of his work to R3D2. Does  
>anyone have materials that they would like to post. One place  
>they could post them too would be the R3D BBS in Ontario, Canada.  
>The manual explains the materials fairly well, but I think more  
>examples would have been nice. I've tried using Marble, mirror  
>and wood with varying success. My guess is that I'm not providing  
>the right parameters. For example, the wood floor I created  
>didn't look anywhere near as nice as the one in the bowling alley.  
>The Canadian support BBS currently doesn't have any materials for  
>R3D2 (correct me if I'm wrong). Thanks and happy rendering.  
>  
>  
>Shayne White  
>  
>swhitenn@reach.com  
>  
>

Is there an FTP site that can be used for this? It's expensive  
to stay active on longdistance BBS's. If some of you do post  
to this BBS, could someone mirror the posts to an FTP site?

---

thanks,  
collett@agora.rain.com

## 1.321 item371

From boinger@myamy.hacktic.nl Sat Jun 19 12:30:05 1993  
Date: Fri, 18 Jun 93 16:57:40 MET  
From: boinger@myamy.hacktic.nl (Paul Kolenbrander)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Question??

Hello Graeme Mc Donough, On 17 JUN 1993 13:33:48 you said regarding Question??:

> Is there an Imagine user Group as well as this real-3d group??

Sure. :-) Sending a message to Imagine-Request@email.sp.paramax.com should get you subscribed.

CYa, Paul

--

-Drink wet cement: Get Stoned.

--

Paul Kolenbrander \ InterNet: boinger@myamy.hacktic.nl  
TurfvelDENstraat 37 \ Fido: 2:284/112.1 Paul Kolenbrander  
NL-5632 XH EINDHOVEN | - - - - -  
Voice: +31-40-415752 | Timezone:GMT+1 | Fax: +31-40-426446

## 1.322 item372

From wisdom!dweyr!sauron@fdurt1.fdu.edu Fri Jun 18 09:53:44 1993  
id AA005ow; Fri, 18 Jun 93 14:53:44 EST  
Date: Fri, 18 Jun 93 14:53:44 EST  
Reply-To: sauron@dweyr.wisdom.bubble.org  
From: sauron@dweyr.wisdom.bubble.org (Ronald A Stanions)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Bugs in 2.34, & questions

(I've already sent a copy of this message to real-bugs@motship.hacktic.nl.)

system: A1200, 68030/68882 & 50Mhz, 8 meg fastram, 2 meg chip.  
OS: WB3.0, kickstart v39.106, wb v39.29

Bugs I've found in V2.34 so far:

1) If you try to create anything, say, a cube for instance, and you hit <RAM> I to zoom in before creating the object, the titlebar correctly shows:

C:Pos&Zoom In N:Cube

---

but the Pos&Zoom in is ignored, and instead goes right to the cube creation

2) if you have a view window selected, and then use the pulldown or icons to click on a creation tool, it doesn't appear in the titlebar until you start drawing the object.

- 3) a) create three or more objects at the same level.
  - b) select the top two (or any two except the bottom two).
  - c) swap them. it works fine.
  - d) swap them again. the second one goes to the bottom of the object list.
- 4) a) create four or more objects at the same level.
  - b) OR any two. this creates a level and puts them in it. this works fine.
  - b) OR any other two. this creates a level INSIDE the level just created, instead of at the current level.

questions:

The documentation says that the libcalls functions are not available in the hobbyist version. Why not? I would have liked to try my hand at creating a library of texture handlers.

Textures like POV uses, mathematical textures. Will these ever be available? either as a library (which would require the libcalls functions) or by some other means?

Ron Stanions -- DragonSoft Development	sauron@dweyr.wisdom.bubble.org
The Dragon's Weyr BBS -- Livingston, NJ	sauron@wisdom.bubble.org

### 1.323 item373

From CarmenR@cup.portal.com Fri Jun 18 18:51:29 1993  
Return-Path: <CarmenR@cup.portal.com>  
From: CarmenR@cup.portal.com  
Subject: Re: Bugs in 2.34, & questions  
Date: Sat, 19 Jun 93 01:51:29 PDT

Ron Stanions,

> are not available in the hobbyist version.

Huh? What's the "hobbyist" version? I thought this was a professional product.

CarmenR - Crazy Artist  
CarmenR@cup.portal.com

### 1.324 item374

From wisdom!dweyr!sauron@fdurt1.fdu.edu Sat Jun 19 04:35:27 1993  
id AA005p7; Sat, 19 Jun 93 09:35:27 EST

---

Date: Sat, 19 Jun 93 09:35:27 EST  
In-Reply-To: <9306190151.1.16052@cup.portal.com>  
(from cup.portal.com!CarmenR)  
(at Sat, 19 Jun 1993 16:45:08 +0800)  
Reply-To: sauron@dweyr.wisdom.bubble.org  
From: sauron@dweyr.wisdom.bubble.org (Ronald A Stanions)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Bugs in 2.34, & questions

Hi CarmenR (CarmenR), in <9306190151.1.16052@cup.portal.com> on Jun 19 you wrote:

> Ron Stanions,  
>  
> > are not available in the hobbyist version.  
>  
> Huh? What's the "hobbyist" version? I thought this was a professional  
> product.  
>  
> CarmenR - Crazy Artist  
> CarmenR@cup.portal.com  
>

Likewise, I assure you. As far as I can tell there are no seperate versions of Real3D , so it may be just a badly worded phrase, but if you look in the online AmigaGuide help system, under the topic "Errors in the manual", the very last entry reads: (In Real3D V2.30 through 2.34 at least)

-----  
Reference 3.66:

Error  
LIB_ words are not implemented in the consumer version of Real3D V2  
but are described in the manual.  
-----

Now, I'm not sure how to take that, but it seems to me by removing these functions you remove a very powerful means of expanding the functionality of the program.

Ron Stanions -- DragonSoft Development      sauron@dweyr.wisdom.bubble.org  
The Dragon's Weyr BBS -- Livingston, NJ      sauron@wisdom.bubble.org

## 1.325 item375

From john@heights.demon.co.uk Sat Jun 19 18:48:14 1993  
Date: Sat, 19 Jun 93 18:48:14 GMT  
In-Reply-To: <9306190151.1.16052@cup.portal.com>  
(from CarmenR@cup.portal.com)  
(at Sat, 19 Jun 1993 16:43:41 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Bugs in 2.34, & questions

Hi CarmenR (CarmenR), on Jun 19 you wrote:

```
> Ron Stanions,  
>  
> > are not available in the hobbyist version.  
>  
> Huh? What's the "hobbyist" version? I thought this was a professional  
> product.
```

I have heard rumours of a superprofessional version in the "couple of grand" area next year. probably aimed at the likes of SGI's/suns

```
John ..   InterNet   - john@heights.demon.co.uk  
         FidoNet    - 2:253/510.9
```

### 1.326 item376

```
From john@heights.demon.co.uk Sat Jun 19 18:48:50 1993  
Date: Sat, 19 Jun 93 18:48:50 GMT  
In-Reply-To: <9306191435.AA005p6@dweyr.wisdom.bubble.ORG>  
            (from Ronald A Stanions <sauron@dweyr.wisdom.bubble.org>)  
            (at Sun, 20 Jun 1993 00:47:27 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Bugs in 2.34, & questions
```

Hi Ronald (Ronald A Stanions), on Jun 20 you wrote:

```
> -----  
> Reference 3.66:  
>  
> Error  
>     LIB_ words are not implemented in the consumer version of Real3D V2  
>     but are described in the manual.  
> -----  
>  
> Now, I'm not sure how to take that, but it seems to me by removing these  
> functions you remove a very powerful means of expanding the functionality of the  
> program.
```

I agree, if it means what it appears to...

```
John ..   InterNet   - john@heights.demon.co.uk  
         FidoNet    - 2:253/510.9
```

### 1.327 item377

---

From CarmenR@cup.portal.com Sat Jun 19 09:44:16 1993  
id AA08624; Sat, 19 Jun 93 16:44:20 -0700  
From: CarmenR@cup.portal.com  
Subject: Re: Bugs in 2.34, & questions  
Date: Sat, 19 Jun 93 16:44:16 PDT

Ron Stanions,

> LIB_ words are not implemented in the consumer version of Real3D V2...

Geez, I'm feeling better and better about this product every passing moment.

CarmenR - Crazy Artist  
CarmenR@cup.portal.com

### 1.328 item378

From CarmenR@cup.portal.com Sat Jun 19 09:50:28 1993  
id AA08972; Sat, 19 Jun 93 16:50:33 -0700  
From: CarmenR@cup.portal.com  
Subject: Re: Motion Blues  
Date: Sat, 19 Jun 93 16:50:28 PDT

Philippe,

Thanks for your reply and for taking all that time to UUENCODE something for me. Unfortunately, the UUENCODED file would not decode. It kept telling me no "END" is there or something like that.. Anyhow, I tried as you suggested.. I added the Motion blur to the LEVEL containing the object I wanted blurry, and used a sample of 1,2 & 3 [I tried it several times], and an anti-aliasing value of 3. Still no dice. Or rather, no burry dice. Actually, I'm trying to add this to the SPACE project that comes with Real. What am I missing or forgetting?

CarmenR - Crazy Artist  
CarmenR@cup.portal.com

### 1.329 item379

From ozturkc%trboun@FRMOP11.CNUSC.FR Mon Jun 21 12:47:52 1993  
Date: Mon, 21 Jun 1993 16:47:52 EDT  
From: CAN OZTURK <ozturkc@TRBOUN.BITNET>  
Reply-To: ozturkc@TRBOUN.BITNET  
To: real3d@ucc.gu.uwa.edu.au  
Cc: ozturkc@TRBOUN.BITNET  
Subject: subscribe

SUBSCRIBE

---

### 1.330 item380

From GRINNEJ3331@iscsvax.uni.edu Mon Jun 21 14:38:39 1993  
Date: Mon, 21 Jun 1993 19:38:39 -0500 (CDT)  
From: GRINNEJ3331@iscsvax.uni.edu  
Subject: remove  
To: real3d@ucc.gu.uwa.edu.au  
X-Envelope-To: real3d@ucc.gu.uwa.edu.au

REMOVE

### 1.331 item381

From wdmcclen@infonode.ingr.com Tue Jun 22 06:08:56 1993  
From: wdmcclen@infonode.ingr.com (William D McClendon)  
Subject: remove  
To: real3d@ucc.gu.uwa.edu.au  
Date: Tue, 22 Jun 93 11:08:56 CDT

REMOVE

### 1.332 item382

From john@heights.demon.co.uk Tue Jun 22 13:05:28 1993  
Date: Tue, 22 Jun 93 13:05:28 GMT  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
Subject: external screens

I thought this message might be of general use to everyone having problems with their configs....

Hello there John, on 18 Jun 93 you wrote:

```
JS> 2.34 *still* doesn't seem to save the external screen settings as part
JS> of the startup config (it's probably part of the project) - like I'm
JS> going to want loads of different external libraries for different
JS> projects? (of course I'd have to choose between my DCTV, OpalVision,
JS> Retina, Merlin, etc like everyone does each time). Maybe I could just
JS> learn to love typing it in for the millionth time....
```

Er, sorry John, I lied in my earlier msg. I don't have an external device and it just occurred to me to try it with the DCTV lib.

Anyway, I can now give you the solution...

Boot a text editor and type the following line

0 7 0 MENU

---



now save it as "r3d2:macros/ext_screen"

now open the file "s:rpl-startup" in your text editor and add the line below after the line "r3d2:rpl/sys/editor.rpl" LOAD

"r3d2:macros/ext_screen" LOAD

(keep the quotes and caps the same as I have typed them)

As you've probably guessed this calls a macro on startup whose sole task is to perform menu function 0 7 0 - open external screen!

Sorry for misleading you earlier but hopefully you'll get both msgs in one hit....

Talk soon,

Andy

John ..    InterNet    - john@heights.demon.co.uk  
          FidoNet    - 2:253/510.9

### 1.333 item383

From silvera@dsi.unimi.it Wed Jun 23 12:32:13 1993  
Date: Wed, 23 Jun 93 10:32:13 +0200  
From: paolo silvera <silvera@dsi.unimi.it>  
Apparently-To: real3d@ucc.gu.uwa.edu.au

REMOVE

### 1.334 item384

From amipb@amipb.gna.org Thu Jun 24 10:29:02 1993  
Date: Wed, 16 Jun 93 19:13:10 MET  
In-Reply-To: <9306101333.AA003o0@thought.demon.co.uk>  
            (from Dino Fancellu <dino@thought.demon.co.uk>)  
            (at Thu, 10 Jun 1993 05:18:08 -0800)  
From: amipb@amipb.gna.org (Philippe Berard)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: complaints

Hello Dino (Dino Fancellu). On Jun 10, you have written :

> Hi Esa,

    No, it's me here ! ;-)

> Vesa has got an account on the Canadian Real3D support board.

    Does this BBS have a FidoNet or (better) an UseNet address ?

---

> As Paul said a good place to make sure that Vesa gets stuff is  
> real-bugs@motship.hacktic.nl

But where should we post suggestions ? I've a lot of them and a friend of mine, a scientific working on volumetric textures (like fur, textile, rust, etc...) has plenty of them, too ! ;-)

Vesa, if you hear this voice that make your spirit vibe, could you please say a little 'hello' to the list ? :^)

Regards,

-- Philippe

```

-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
-----

```

### 1.335 item385

From amipb@amipb.gna.org Thu Jun 24 10:30:07 1993  
Date: Wed, 16 Jun 93 19:17:35 MET  
In-Reply-To: <9306102135.AA00522@flash.cranel.com>  
(from watters <watters@cranel.com>)  
(at Thu, 10 Jun 1993 13:39:00 -0800)  
From: amipb@amipb.gna.org (Philippe Berard)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: IDE drive for DPS PAR (was Re: IDE vs. SCSI)

Hello watters (David R. Watters). On Jun 10, you have written :

> Believe me... I don't care if you get the drive here or not... the money  
> doesn't go into my pocket... although I would enjoy getting to talk to a lot  
> of Amiga people that need help instead of a day full of Unix dweebs. :)

Well, you're lucky, here it's PC dweebs :-(

> While we are at it... if you need any large hard disks, MagnetoOptical drives,  
> or tape (4mm DDS/DAT, 8mm, etc.) give Cranel a call because you will get  
> some decent pricing from a distributor and I will get to talk to a lot more  
> of you! We also sell multi-Terabyte optical systems if you are rendering  
> a lot! :)

Which kind of drives ? IDE, SCSI and/or SCSI-II ? Exabytes ?

Regards,

-- Philippe

```

-----
| Philippe Berard (French Amiga User) | UseNet : amipb@amipb.gna.org |
| "They hold a cup of wisdom, | -> Please don't send mails |
| But there is nothing within" (Kate Bush). | >50 Ko ! |
-----

```

### 1.336 item386

From seanw@codex.com.au Fri Jun 25 01:21:38 1993  
From: Sean Woodhouse <seanw@codex.com.au>  
Date: Thu, 24 Jun 93 15:21:38 +1000  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Read3D FTP site??

Hi everyone,

Is there an FTP sit for Real3D updates FAQ's and related files?? I would like to ↵  
know since  
I plan on buying it soon and I'd like to have immediate access to updates. On a ↵  
similar  
note, could anyone tell me the most recent version of R3D that's being shipped.

Thanks

Sean

-----  
Sean Woodhouse     Software Engineer  
Xedoc Software Development Pty Ltd, Melbourne AUSTRALIA  
Phone:     +61 3 696 2490     Facimile: +61 3 696 6757  
Internet : seanw@xedoc.com.au  
Street: 222 Park St, South Melbourne, VIC 3205 AUSTRALIA  
Postal: PO Box 293, Albert Park, VIC 3206 AUSTRALIA  
-----

### 1.337 item387

From GRINNEJ3331@iscsvax.uni.edu Wed Jun 23 19:21:41 1993  
Date: Thu, 24 Jun 1993 00:21:41 -0500 (CDT)  
From: GRINNEJ3331@iscsvax.uni.edu  
Subject: Re: IDE drive for DPS PAR (was Re: IDE vs. SCSI)  
To: real3d@ucc.gu.uwa.edu.au

UNREGISTER

### 1.338 item388

From garizmen@nermal.santarosa.edu Thu Jun 24 06:35:46 1993  
Date: Wed, 23 Jun 1993 22:35:46 +0800 (PST)  
From: Gustavo Arizmendi <garizmen@nermal.santarosa.edu>  
Subject: Re: complaints  
To: real3d@ucc.gu.uwa.edu.au  
Cc: Multiple recipients of list <real3d@ucc.gu.uwa.edu.au>  
In-Reply-To: <9306161813.AA00ezr@amipb.gna.org>

What is going on here?

---

Has everybody sold their software of Real3D ? How come nobody is posting?

Gustavo Arizmendi(garizmen@nermal.santarosa.edu)

### 1.339 item389

From GRINNEJ3331@iscsvax.uni.edu Wed Jun 23 19:37:27 1993  
Date: Thu, 24 Jun 1993 00:37:27 -0500 (CDT)  
From: GRINNEJ3331@iscsvax.uni.edu  
Subject: Re: Read3D FTP site??  
To: real3d@ucc.gu.uwa.edu.au

HHHEEEELLLLPPP!!!

Get me off this list please!!! I am desperate <arrghh>.

### 1.340 item390

From wisdom!dweyr!sauron@fdurt1.fdu.edu Thu Jun 24 02:14:13 1993  
id AA005pr; Thu, 24 Jun 93 07:14:13 EST  
Date: Thu, 24 Jun 93 07:14:13 EST  
In-Reply-To: <199306240521.AA00776@codex.codex.com.au>  
(from Sean Woodhouse <codex.com.au!seanw>)  
(at Thu, 24 Jun 1993 13:22:07 +0800)  
Reply-To: sauron@dweyr.wisdom.bubble.org  
From: sauron@dweyr.wisdom.bubble.org (Ronald A Stanions)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Read3D FTP site??

Hi Sean (Sean Woodhouse), in <199306240521.AA00776@codex.codex.com.au> on Jun 24 ↵  
you wrote:

> Hi everyone,  
>  
> Is there an FTP sit for Real3D updates FAQ's and related files?? I would like ↵  
to know since  
> I plan on buying it soon and I'd like to have immediate access to updates. On a ↵  
similar  
> note, could anyone tell me the most recent version of R3D that's being shipped.  
>  
> Thanks  
>  
> Sean  
>

The most recent version I've been made aware of is 2.34. I think it was put up on the Canadian BBS about a week ago. I'd like to know about any FTP sites myself. I'd almost be willing to be a BMS/BBS site, but my hard drive space is at a minimum and I couldn't guarantee more than about 40 meg availability at any one time.

Ron Stanions -- DragonSoft Development	sauron@dweyr.wisdom.bubble.org
The Dragon's Weyr BBS -- Livingston, NJ	sauron@wisdom.bubble.org

## 1.341 item391

From watters@crael.com Thu Jun 24 04:47:33 1993  
 Date: Thu, 24 Jun 93 08:47:33 EDT  
 From: watters <watters@crael.com>  
 To: real3d@ucc.gu.uwa.edu.au  
 Subject: Re: IDE drive for DPS PAR (was Re: IDE vs. SCSI)

> > While we are at it... if you need any large hard disks, MagnetoOptical drives,  
 > > or tape (4mm DDS/DAT, 8mm, etc.) give Crael a call because you will get  
 > > some decent pricing from a distributor and I will get to talk to a lot more  
 > > of you! We also sell multi-Terabyte optical systems if you are rendering  
 > > a lot! :)  
 >  
 > Which kind of drives ? IDE, SCSI and/or SCSI-II ? Exabytes ?  
 YES YES YES YES

A few people have taken advantage of the deal I arranged for the members of the Amiga mailing list. I want to make sure that everyone has gotten an opportunity to know about it and express any interest.

The only drive to have been qualified on the DPS Personal Animation Recorder so far has been the Seagate 3600A.

The price on the Seagate 3600A for members of Amiga related mailing lists is \$750 + shipping + tax if applicable. This is about \$40 under some of the cheapest prices found by most people.

If you haven't gotten a chance to check out the DPS PAR, I would strongly suggest it. I used it yesterday and it looks great! Even video people (i.e. non computer people) are impressed with the possibilities with it.

If you are interested you should get in touch with me through Email at: watters@crael.com

David ~ |_,--'_____|@,____  
 Watters ~ ( )-_____-() `--

--  
 David R. Watters (watters@crael.com) Crael Inc. Development & Engineering  
 "Porsche. The very name is, to many, the last word in sports cars. Any car blessed with these magic seven letters is sure to be the very best. Period!"  
 - Car and Driver, January 1993

## 1.342 item392

From trb3@Ra.MsState.Edu Thu Jun 24 05:46:21 1993  
 Date: Thu, 24 Jun 1993 10:46:21 -0500  
 From: "Tony R. Boutwell" <trb3@Ra.MsState.Edu>  
 To: real3d@ucc.gu.uwa.edu.au  
 Subject: Re: Read3D FTP site??

Hi... I am selling my Real3D v2.34 if anyone is interested? I paid 400 for it and I am willing to sell for about 300 or best offer.

email me at trb3@ra.msstate.edu

## 1.343 item393

From activa@motship.hacktic.nl Thu Jun 24 23:53:05 1993  
for mackerel.gu.uwa.edu.au!real3d  
Date: Thu, 24 Jun 93 12:16:12 CET  
In-Reply-To: <9306160853.AA0060h@heights.demon.co.uk>  
(from John Shiali <john@heights.demon.co.uk>)  
(at Wed, 16 Jun 1993 16:14:58 +0800)  
Reply-To: activa@motship.hacktic.nl  
From: activa@motship.hacktic.nl (Paul van der Heu)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Real Wishlist

Hi John (John Shiali), in <9306160853.AA0060h@heights.demon.co.uk> on Jun 16 you wrote: ↵

> Does anyone know the answers to these questions or if there are ways  
> of doing this that haven't been found - this was put together by quite  
> a few people....

We forwarded the message to Realsoft and these are the replies:

> 1) Is the DOF related to the focal length? The manual states the DOF scale  
> 'controls how the Absolute Spatial Distance of an object from the Aim-point  
> affects the focus' But how does it control it?

DOF is related to the focal length as well as shutter hole size.  
Unfortunately the two numbers which are used to control this feature  
are based on our internal algorithms and I have not produced any  
conversion tables yet.

> 2) How can the user determine the order in which vectors are placed on the  
> stack? If you SHIFT-DRAG around a sphere all of its points are placed on the  
> stack but how can I tell in which order? Does the order remained the same  
> regardless of which axis was selected when the drag was performed?

When Shift-dragging multiple points to stack, the order cannot be  
controlled; if this is necessary, drag the points one by one.  
Dragging direction does not affect the order.

> 3) The measuring window. What does the 'N' gadget do and under what  
> circumstances? How does it define the depth of an object being created? Why  
> does the measuring window close when you close an environment, or refuse to  
> open on any screen but the first that was opened? Is it possible to have  
> absolute and relative coordinates active at the same time? Why don't the  
> settings defined in the measuring window affect the view window coordinates?

- gadget of measuring window defines:

---

- Primitive depth in creation functions (e.g. depth of a cube)
- Rotation angle in rotation function.

> 4) Joining primitives, why will it never join more than two meshes? Can it be made to do so in the order they were extend selected?

Join primitives: it does not join meshes at all. Concatenate can be used for that purpose, and it accepts multiple parameters.

> 5) When pasting objects into a select window why can't you insert it above the currently selected object? At the moment you have to do two cut and pastes to achieve this.

Maybe a separate function might be ok, but normally it is difficult to remember to select the correct pasting position. We tried it, and it seemed to be troublesome solution.

> 6) Collision detection. I seem to have discovered a bug related to objects colliding. If you 'throw' a sphere at the corner of a cube the cube will only start to spin in one axis. If you hit the top left then it will spin around the x axis, hit the side it will spin around the y, but never both. Why? Is it a limitation of the animation system? I tried the suggestions passed on via the Aactiva Support BBS but it didn't improve the situation at all. I have got it down to a fine art now and moving the sphere one pixel left or right alters how the cube spins as a result. There is no grey area here, it does one or the other, never both.

Yes, collision spins have currently limitations, which are related to internal coordsys of each object. By defining thej 'direction' property for an object its spinning can at least be controlled.

> 7) The obscure and add wire functions from V1.4 were very useful. Is it possible to add a similar facility to V2?

V.1.4 obscure and add wire functions can be now implemented using hierarchical combinations of invisible objects and curves, which are used just for visualization purposes.

> 8) Is it possible to add some kind of warning that would appear when you go to render that lists incorrect boolean attributes in the hierarchy. Chris Perigo had all sorts of problems with objects in a scene 'disappearing' with no obvious cause. He finally, after two days of looking at it, traced the problem to one primitive being inverted when it shouldn't have. The object was used in an AND NOT and was later copied to be used elsewhere in the scene. Select windows give no indication of whether objects are inverted or not and therefore the user has to manually check each object to find out which ones are. There is no way we can remember which ones are which on a complex scene. Along with a warning is it possible to append a flag to inverted objects in a similar way to textures so they stand out in the select window.

Adding a sign for 'Invert' property in the select window is a very

---

good idea, and will be implemented asap.

- > 9) Can we have the boolean DIVIDE as used in V1.4 back please, I found this
- > one of the most useful operations. You can perform the same operations with
- > just AND or AND NOT but you have to do it twice.

Divide: Okay, we'll add it back.

- > 10) Is it possible to have a pause button on the rendering status window?
- > This would enable you to pause a render should you need the CPU time for some
- > other task.

Pause button for rendering busy requester: nice idea !

- > 11) What is C_TOROID? It is in the RPL VLIST but it is not documented.

C_toroid: not fully implemented yet as a separate primitive.

- > 12) Is there any way to lock a view window to a camera so that when you alter
- > the cameras position the view automatically gets updated. At present you have
- > to select the window and select View > Camera > Camera - View or <RAM>W each
- > time you move it.

Automatic locking is not supported. Remember that in 1.4, you had to press <rec> in wireframe mode too, it did not happen automatically. Maybe a useful extra feature, anyway.

- > 13) Savable fractal tree and landscape configs.

Fractal configs should indeed be savable and they will be.

- > 14) Freeform rotation no longer asks for a angle of rotation and always does
- > 360 degrees. Can a requestor be added please.

Yes, less than 360 degree freeform rotation should be supported, too. Included in the 'list'.

- > 15) Cannot cancel a render during optimization, this can cause very long
- > delays if you are working on a complex scene.

Yes, cancelling during render optimizations is not interactive enough now.

- > 16) Is it possible to close Workbench whilst running Real? This would enable
- > users to have more chip ram available for a greater variety of rendering
- > screens. It can also be annoying when cycling through screens having WB
- > there.

No Close WBench option available now. Maybe there is a separate

---



utility which does the job.

- > 17) Cylinder mapping - The texture always gets put on back to front meaning
- > you have to flip it in Dpaint before using it. This means having a copy of
- > the brush if you intend to use it for parallel mapping as well.

Do not flip the image, flip the mapping primitive (modify/linear/mirror).

- > 18) Real keeps the textures in ram after it uses them once. This ram should
- > be given back to the sytem once the render has finished. If you are using
- > several 24bit textures you may not have enough ram available to run say Art
- > Department to edit one of the textures and will have to reboot in order to do
- > it. The other side effect is that if you change an iff texture in Dpaint or
- > ADPro Real doesn't use the changed version in future renders unless you go
- > and change the name in the material, apply it, start a render, abort it,
- > change it back again... Real should load the textures in every time you
- > render.

Texture cache: Try proofrendering (e.g. when editing materials)  
a scene with several 24 bit textures, flushing the texture cache every  
time. The texture loading time may be longer than rendering time....  
There is a function (Extras/Free Images) for emptying the cache when  
you want to run ADPro, you do not have to reboot.

- > 19) If you hold down <RAM> and + on the numeric pad instead of zooming in
- > the screen flashes and the HD is accessed. This does not happen if you use
- > '<RAM> <SHIFT> =' to zoom in. While I was trying to recreate this report I
- > discovered that '<RAM> =' produces the same flashing and files being opened.

Hardware feature.

- > 20) Soft shadows don't have any affect on bumpmaps. The bump mapped pattern
- > disappears along a straight line regardless of how high the light sampling is
- > set in the render settings.

OK - bump map soft shadows may require finetuning. Thanks, I'll check it.

- > 21) Out of focus objects and soft shadows aren't reflected as blurred, they
- > always appear sharp. Is this a limitation of the program? This also occurs
- > when you view a out of focus object through a sharp 'glass' object but I
- > guess this is strongly related to relfections.

Yes. This is a simplification of 'reality' in the renderer, mainly  
because of speed reasons.

- > 22) Another missing function from v1.4 I'm afraid. You can no longer use
  - > curves as definitions for compound objects other than in freeform creation
  - > where they are essential. V1.4 would let you use them for polyhedrons,
  - > lathel, tube tools, etc. This was extremely useful and most of these tools
  - > were never used without this ability. V2 expects you to get it right first
  - > time, 1.4 would let you play with the definition to your hearts content.
-

'Push selected object to stack' and 'Pull all points from stack' will be added to give similar functionality as in 1.4 '*' key.

> 23) Autofocus is somewhat unpredictable. It will often place the selected  
> object in one corner of the screen.

Autofocus has been already improved (v.2.34). Some primitives may have their COG in a corner for certain reasons, and this may result in slightly peculiar centering.

> 24) If you make a open line with just a start and end position and then remap  
> it to 8 points it will end up with a loop stretching out of the middle. This  
> suggests there is a bug with remapping freeforms. It also prevents an easy  
> way of making a straight line with more than two points.

Remapping bug is now fixed.

> 25) Regular cut polymid will not let me define the size of the other end on  
> my machine but works correctly on Chris Perigos'. I have an A1500 with a  
> Fusion Forty 28mhz 68040 with 8mb of 32bit fast ram and 1mb of chip. He has  
> an A1500 with a GVP G-Force 030-40 card with the same ram as myself. I have  
> tried both the 040 and 020/030 versions of Real but neither let me perform  
> the operation. Other cut primitives work correctly. Chris says the tab key  
> will not let him create a centered second end on the regular cut polymid. It  
> places the cursor in the centre but then sizes the second end from a  
> different offset position. On my machine the second end stays as a point and  
> is just moved between the centre and a position NW of the it in the Z axis  
> and between centre and W when created in the X and Y. I have cut my  
> startup-sequence and user-startup down to everything that is absolutely  
> necessary which is just assigns and mounting a second hard drive. This makes  
> no difference whatsoever.

This bug will be fixed, too.

> 26) Certain input windows will not accept the return key as okay and you  
> either have to press 'O' or click on the 'OK' gadget to enter the number.  
> This is un-necessary and very annoying.

Numeric IO windows have a built-in calculator, and <return> evaluates the result.

> 27) The small '+' cursor needs to be updated in every view window every time  
> you click in one. At present it only updates in the currently selected  
> window. This slows down the creation process.

OK - I agree.

> John .. InterNet - john@heights.demon.co.uk  
> FidoNet - 2:253/510.9  
>

---

Regards,

Vesa Meskanen

Realsoft

--

Activa International, Keienbergweg 95, 1101 GE Amsterdam, The Netherlands  
Phone 31 (0)20 6911914, FAX 31 (0)20 6911428, BBS 31 (0)20 6971880  
UUCP - activa@motship.hacktic.nl , FIDO 2:280/207.32

It's time to get REAL

## 1.344 item394

From dino@thought.demon.co.uk Thu Jun 24 23:06:47 1993  
Date: Thu, 24 Jun 93 23:06:47 GMT  
Reply-To: dino@thought.demon.co.uk  
From: Dino Fancellu <dino@thought.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: complaints

Hi Philippe,

> Hello Dino (Dino Fancellu). On Jun 10, you have written :  
>  
>  
> > Vesa has got an account on the Canadian Real3D support board.  
>  
> Does this BBS have a FidoNet or (better) an UseNet address ?  
>

I don't think so. Do others agree? Its phone number is 519 436 0140.

> > As Paul said a good place to make sure that Vesa gets stuff is  
> > real-bugs@motship.hacktic.nl  
>  
> But where should we post suggestions ? I've a lot of them and a friend  
> of mine, a scientific working on volumetric textures (like fur, textile,  
> rust, etc...) has plenty of them, too ! ;-)  
>

Unfortunately this question seems to have been already posed to Paul and he did not seem to answer. At the moment us UK guys tend to send it via our fido links to Andy Jones, the Real3D UK fidonet moderator.

However John often posts stuff between the Real3D fido echo and internet, so he may do the same for you if you ask, or even if you don't.

Dino.

---

```
{-----><-----><-----}
{
{ Hail Discordia! Hail Amiga! Undercover Must Die! }
{
{-----><-----><-----}
```

## 1.345 item395

From Peter.Sjostrom@ludd.luth.se Fri Jun 25 02:52:38 1993  
 From: Peter.Sjostrom@ludd.luth.se  
 Subject: Re: Read3D FTP site??  
 To: real3d@ucc.gu.uwa.edu.au  
 Date: Fri, 25 Jun 1993 00:52:38 +0200 (MET DST)  
 In-Reply-To: <199306241546.AA18150@Ra.MsState.Edu> from "Tony R. Boutwell" at Jun 24, 93 11:41:05 pm  
 Reply-To: Peter.Sjostrom@ludd.luth.se

I'll give you 300 USD if you pay shiping to Stockholm, Sweden.  
 I can pay directly to your bank account.

/Peter

## 1.346 item396

From wisdom!dweyr!sauron@fdurt1.fdu.edu Thu Jun 24 12:17:43 1993  
 id AA005pz; Thu, 24 Jun 93 17:17:43 EST  
 Date: Thu, 24 Jun 93 17:17:43 EST  
 In-Reply-To: <9306241116.AA00a6l@motship.hacktic.nl>  
 (from motship.hacktic.nl!activa (Paul van der Heu))  
 (at Fri, 25 Jun 1993 00:01:44 +0800)  
 Reply-To: sauron@dweyr.wisdom.bubble.org  
 From: sauron@dweyr.wisdom.bubble.org (Ronald A Stanions)  
 To: real3d@ucc.gu.uwa.edu.au  
 Subject: Re: Real Wishlist

Hi Paul (Paul van der Heu), in <9306241116.AA00a6l@motship.hacktic.nl> on Jun 25 you wrote:

```
> Hi John (John Shiali), in <9306160853.AA0060h@heights.demon.co.uk> on Jun 16 you wrote:
>
> > Does anyone know the answers to these questions or if there are ways
> > of doing this that haven't been found - this was put together by quite
> > a few people....
>
> We forwarded the message to Realsoft an these are the replies:
>
```

... stuff deleted

> > 5) When pasting objects into a select window why can't you insert it above  
> > the currently selected object? At the moment you have to do two cut and  
> > pastes to achieve this.  
>  
> Maybe a separate function might be ok, but normally it is difficult  
> to remember to select the correct pasting position. We tried it, and  
> it seemed to be troublesome solution.

I should think this one would be pretty simple to make understood. If you have one object selected at the current level, paste above that object. If you have more than one selected, either fail, paste above the first selected object, or paste to the very bottom of the list, as it does now. All three of these methods are entirely acceptable. also, if no objects are selected, always paste to the bottom of the list. I'd very much like to see this ability added too. NEVER paste to any level other than the one shown in the most recently selected select window. (There is an occasional bug that I can't reproduce which has caused pasting to occur at a deeper level in more than one case on me.)

> > 10) Is it possible to have a pause button on the rendering status window?  
> > This would enable you to pause a render should you need the CPU time for some  
> > other task.  
>  
> Pause button for rendering busy requester: nice idea !

I would also like to see a task priority setting for each render window as well. This is one thing I keep forgetting to mention! I have one window that I use for rendering whatever I'm doing now, and I have to kick it to a lower priority by hand using Xoper every time I want to work without being slowed down. If you put a pause requestor button, it would also be a great boon if you put a PRI requestor up at the same time, to allow us to kick different windows to higher or lower priorities on desire, without having to resort to a utility like Xoper.

...And what ever happened to the ability to 'flash' an object? I would really love to get that ability back!

Ron Stanions -- DragonSoft Development	sauron@dweyr.wisdom.bubble.org
The Dragon's Weyr BBS -- Livingston, NJ	sauron@wisdom.bubble.org

## 1.347 item397

From trb3@Ra.MsState.Edu Thu Jun 24 15:03:21 1993  
Date: Thu, 24 Jun 1993 20:03:21 -0500  
From: "Tony R. Boutwell" <trb3@Ra.MsState.Edu>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Read3D FTP site??

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that sounds fair.....if you are serious, than I am!  
trb3@ra.msstate.edu

### 1.348 item398

From activa@motship.hacktic.nl Fri Jun 25 12:07:59 1993  
for mackerel.gu.uwa.edu.au!real3d  
Date: Thu, 24 Jun 93 14:42:11 CET  
In-Reply-To: <9306161813.AA00ezr@amipb.gna.org>  
(from amipb@amipb.gna.org (Philippe Berard))  
(at Thu, 24 Jun 1993 12:40:35 +0800)  
Reply-To: activa@motship.hacktic.nl  
From: activa@motship.hacktic.nl (Paul van der Heu)  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: complaints

Hi Philippe (Philippe Berard), in <9306161813.AA00ezr@amipb.gna.org> on Jun 24 you ↵ wrote:

> > As Paul said a good place to make sure that Vesa gets stuff is  
> > real-bugs@motship.hacktic.nl  
>  
> But where should we post suggestions ? I've a lot of them and a friend  
> of mine, a scientific working on volumetric textures (like fur, textile,  
> rust, etc...) has plenty of them, too ! ;-)

Suggestions can be sent to activa@motship.hacktic.nl

Also the mailinglist is monitored and suggestions which appear there are forwarded to Realsoft.

--

Activa International, Keienbergweg 95, 1101 GE Amsterdam, The Netherlands  
Phone 31 (0)20 6911914, FAX 31 (0)20 6911428, BBS 31 (0)20 6971880  
UUCP - activa@motship.hacktic.nl , FIDO 2:280/207.32

It's time to get REAL

### 1.349 item399

From activa@motship.hacktic.nl Fri Jun 25 12:08:46 1993  
for mackerel.gu.uwa.edu.au!real3d  
Date: Thu, 24 Jun 93 14:40:23 CET  
In-Reply-To: <199306240521.AA00776@codex.codex.com.au>  
(from Sean Woodhouse <seanw@codex.com.au>)  
(at Thu, 24 Jun 1993 13:17:57 +0800)  
Reply-To: activa@motship.hacktic.nl  
From: activa@motship.hacktic.nl (Paul van der Heu)  
To: real3d@ucc.gu.uwa.edu.au

---

Subject: Re: Read3D FTP site??

Hi Sean (Sean Woodhouse), in <199306240521.AA00776@codex.codex.com.au> on Jun 24 ↵  
you wrote:

- > Is there an FTP sit for Real3D updates FAQ's and related files?? I would like ↵  
to know since
- > I plan on buying it soon and I'd like to have immediate access to updates. On a ↵  
similar
- > note, could anyone tell me the most recent version of R3D that's being shipped.

You can obtain updates by either:

- downloading them from the support BBS.
- requesting them to be sent to you by mail.

Activa International can be reached through FIDO on 2:280/207.32@fidonet.org  
or on usenet through activa@motship.hacktic.nl

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Activa International, Keienbergweg 95, 1101 GE Amsterdam, The Netherlands  
Phone 31 (0)20 6911914, FAX 31 (0)20 6911428, BBS 31 (0)20 6971880  
UUCP - activa@motship.hacktic.nl , FIDO 2:280/207.32

It's time to get REAL

## 1.350 item400

From seanw@codex.com.au Sat Jun 26 01:06:43 1993  
From: Sean Woodhouse <seanw@codex.com.au>  
Date: Fri, 25 Jun 93 15:06:43 +1000  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Read3D FTP site??

OK, so the answer is that there is no Anonymous FTP site which caters to Real3D ↵  
v2.  
Surely someone with FTP access could upload Real updates to one of the Aminet ↵  
sites. I  
would even volunteer to do it myself as long as I am sent the files as soon as ↵  
they arrive.  
Downloading them from the BBS is not an option since I'm in Australia.

Sean

-----  
Sean Woodhouse    Software Engineer  
Xedoc Software Development Pty Ltd, Melbourne AUSTRALIA  
Phone:     +61 3 696 2490     Facimile: +61 3 696 6757  
Internet : seanw@xedoc.com.au  
Street: 222 Park St, South Melbourne, VIC 3205 AUSTRALIA  
Postal: PO Box 293, Albert Park, VIC 3206 AUSTRALIA

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## 1.351 item401

From brendan@ucc.gu.uwa.edu.au Wed Jun 23 16:30:15 1993  
Date: Wed, 23 Jun 93 09:33:46 BST  
From: "G.Coulter" <G.Coulter@uk.ac.daresbury>  
To: brendan@gu.uwa.edu.au  
Subject: UPgrading to R3D2 by visa in UK?  
Sender: brendan@ucc.gu.uwa.edu.au

*-real3d-*

Hi Everyone :-

I am currently using Real3D version 1.41 which I am considering upgrading to version 2. I have a letter from Activa about the upgrade procedure but the letter is not at all clear on what you should do. Can someone tell me how I should go about getting my upgrade? Will I get the latest release? can I pay by visa? and finally how long will it take before I actually get the upgrade?

Thanks -Gary- G.Coulter@Daresbury.AC.UK

PS What do I do with my 1.4 disks, do I sent then back with the order?

Thanks again for any help.

## 1.352 item402

From john@heights.demon.co.uk Fri Jun 25 00:08:25 1993  
Date: Fri, 25 Jun 93 00:08:25 GMT  
In-Reply-To: <9306241116.AA00a61@motship.hacktic.nl>  
(from Paul van der Heu <activa@motship.hacktic.nl>)  
(at Thu, 24 Jun 1993 23:59:31 +0800)  
Reply-To: john@heights.demon.co.uk  
From: John Shiali <john@heights.demon.co.uk>  
To: real3d@ucc.gu.uwa.edu.au  
Subject: Re: Real Wishlist

Hi Paul (Paul van der Heu), on Jun 24 you wrote:

> > Does anyone know the answers to these questions or if there are ways  
> > of doing this that haven't been found - this was put together by quite  
> > a few people.....  
>  
> We forwarded the message to Realsoft an these are the replies:

Thank you *VERY* much for these replies - I shall forward them to the rest of the guys in the UK echo, and the info will come in very useful. I hope to post some more positive comments and maybe some

---



tutorials and ideas back to usenet in the near future...

John ..    InterNet    - john@heights.demon.co.uk  
          FidoNet    - 2:253/510.9

## 1.353 r3d2b

The following information was taken directly from the Real3D V2 brochure I painstakingly typed it, and linked the subjects. (Brendan)

Real3D V.2 is a full features 3D animation, modelling, and rendering program. The first to bring a particle animation system to desktop platforms. Breakthrough features, previously only available on highend platforms, are now within your grasp.

With Real3D V.2 you will be able to produce high quality images and animations of three dimensional models with an astounding level of realism. It provides even the most demanding user with an environment in which he or she can breath freely and work without frontiers whether the user is a 3D artist, an industrial designer, or a computer animator.

Real3D V.2's collection of innovative features, together with an efficient and user firendly interface provides you with one of the most powerful 3D packages ever available for 3D Desktop Animations and computer graphics.

Real3D V.2 allows you to easily create seemingly very complex 3D animations. Objects will now have their own 'intelligence' and will react as if they were in the real world.

This is the new Real3D reality:

- Throw a handful of balls down a flight of stairs and watch the balls bounce to the bottom. Gravity, collision detection, the elasticity of the balls are all automatically calculated by the program.
  - Create a bowling alley, throw the bowling ball, watch how it spins because of the friction with the alley floor, see the pins get knocked by the ball and collide with each other in a way the truely recreates reality. Did you get a strike?
  - Pour liquid down a curved pip and see how it runs through and out the other end.
  - Throw a thousand snowflakes into simulated wind and watch them swirl around. Try doing this one manually!
  - Build a robot are with joints at the shoulder, elbow, wrist, hand, and fingers, pull on one finger and see how the whole are will straighten rotating correctly at the joints.
  - Create an animation of a pot of water gradually coming to a boil on a stove. Watch the bubbles develope at the bottom, grow as they rise to the top and disappear into the air. Watch as more and more bubbles form until the water appears to be truely boiling.
-

- See when glass is dropped how it can automatically detect the floow and explode into a thousand pieces.

- Create an object which gradually changes its material from, say wood to marble, then to glass, and finally to shiny gold.

Other features :   Modelling  
                  Rendering  
                  Textures & Materials Mapping  
                  Animation System

## 1.354 r3d2m

```
@{ " Modelling " link r3d2m }
```

- Easy to use and user friendly.
  - User configurable and expandable editor allows the user to build up job specific modelling environments for different type of modelling tasks.
  - Double buffered windows can be used for animation orientated environments.
  - Tools window provides the user with an icon based interface to the program.
  - Multi screen support.
  - Amiga 4000 optimized.
  - New Amiga graphics modes supported.
  - Fully integrated editor and rendering engine allows ray tracing to be used as a primary rendering method simultaneously for all windows.
  - Zero wait state design takes full advantage of multitasking. Time consuming task like rendering are handled asynchronously allowing the user to execute modelling activities without waiting for the program.
  - RPL, a fully featured programming language providing the user with total and interactive control over all functions.
  - Open architecture allows end users and third parties to expand and customize the program using RPL.
  - Savable macros based on RPL which can be bound to keys and user defined icon.
  - Two files formats available: binary format based on IFF and ASCII format based on RPL.
  - Undo with unlimited depth.
  - User configurable keyboard shortcuts.
-

- Parallel and perspective projection available for all view windows.
  - Measuring system allows the user to define coordinates directly or through mathematical formulas using the keyboard. Meters, centimeters, millimeters, inches, and feet are supported. Normal and polar coordinates can be used with eight different measuring modes.
  - Unlimited number of savable grids with user defined colours, line patterns, sizes, position, name, etc.
  - Existing objects can be used as 'snap to' points.
  - Vector stack allows vector operations like addition, subtraction, averages, etc... Results can be used as an input for creating and modifying objects.
  - Hierarchical object construction.
  - Solid ( CSG
  - Boolean operations.
  - Quadric surfaces.
  - Polygonal surfaces.
  - B-splines.
  - Large collections of creation tools based on quadrics such as lathe which creates smoothly curved objects by joining cylinders, cones, ellipsoids, and hyperbolics.
  - Comprehensive set of freeform surface construction tools including co-planar and orthogonal sweeps (extrusion along a curve), swing, rotation, and cross-sectional building, etc...
  - Object construction tools for producing 3D objects from 2D bitmaps.
  - Landscape and tree fractal generators.
  - All necessary linear transformations including: move, size, stretch, rotate, mirror, shear, etc.
  - Nearly one hundred non-linear freeform deformations including deformation through user defined control curves.
  - Comprehensive set of direct curve and surface manipulation tools through control and knot points includes remapping, automatic surface closing/opening, manipulation through subgroups, conversion between different surface types, etc.
  - Skeletal control allows user to manipulate objects through skeletons.
  - Tags can be used for expanding object and material data structures.
  - DXF, ProDraw Clip, and Sculpt import.
-

- Real V1.x import.
- IFF, Targa, Windows BMP support.
- Procedural object creation.
- Intelligent thinking object can be created by associating 'brain' with them. These objects can be used as tools for creating new objects.
- Textures are represented using primitives providing the user with accurate and intuitive control over size, position, orientation, etc. and allowing the user to manipulate textures like any other object.
- Infinite number of rendering boxes allows user to render quickly only those parts of the screen containing critical or interesting objects.
- Arexx support.

### 1.355 r3d2r

#### Rendering

- Fast 68020/30 and 68040 optimized versions.
  - Soft shadows.
  - Sun-glow atmospheric effects.
  - Depth of field with fully adjustable strength and scale.
  - Motion blur applied to the entire scene or individual objects.
  - Unlimited number of light sources with any colour and brightness.
  - Fogs for all kinds.
  - Blurred reflections and refractions.
  - 9 level anti-aliasing using adaptive super-sampling.
  - Perspective and Orthogonal rendering available for all rendering modes.
  - Transparency and physically correct refractions.
  - Support window rendering, IFF-24 bit, Targa 24/32 file, Windows BMP 24 bit, or direct to frame buffer at any resolution.
  - Alpha channel support.
  - Background colour, solid or gradient.
  - Environment colour, solid or gradient.
  - Animated background images.
-

- Ambient light setting with any colour or brightness.
- 16 level 'recursion depth' for raytracing.
- Auto-exposure or manual brightness control.
- 6 different dithering methods with adjustable strength.
- Object specific dithering.
- 8 different rendering modes: wire frame, draft, scan line, lampless, shadowless, outline, Phong shaded, and complete ray-trace.
- Field rendering.
- Optional background anti-aliasing for combining rendered images with genlocks.
- Adjustable B-Spline rendering quality. Automatic subdivision control modifies the sub-division level during animations if neccessary.
- Automatic B-Spline conversion to Phong shaded surfaces for quick rendering.
- Matte objects for combining ray-traced scenes with backgrounds.
- Direct support for most frame buffers including: Harlequin, VD2000, DCTV, Targa, OpalVision, IV24, etc.

## 1.356 r3d2t

### Textures and Materials Mapping

- All IFF, including 24bit, and Targa format files can be used as textures.
  - Volumetric texture mapping.
  - B-Spline texture ampping: texture automatically conformas to the surface of the b-spline meshes, if the mesh is altered, the texture alters with the mesh and maintains its conformity.
  - Bump mapping with total control over bump height and shape, Mathematical and user defined procedural bumps through formulas and RPL procedures.
  - Environment mapping supports global and object specific maps.
  - Opacity ampping.
  - Shadow mapping.
  - Reflection mapping.
  - Clip mapping.
-

- Transparency mapping.
- Clip mapping.
- Transparency mapping.
- Brilliancy mapping.
- Materials with no shadows.
- All mapping can be mixed.
- Material and texture properties can be cumulated hierarchially.
- Textures can be tiled infinitely or a define number in the x and y directions.
- Textures can be flipped either in x or y or both directions in order to create continuous textur appearances.
- Colour interpolation for textures can be used in x and y or both directions.
- User defineable transparency colour.
- Unlimited number of procedural and mathematical textures through user define formulas and rpl procedures.
- Non-homogeneous materials whose density can be controlled by build in procedures or user defined formulas and rpl procedures.
- Texture mapping methods include: default, parallel, cylinder, sphere, disk and mapping through user defined formula/rpl procedures.
- Material attributes like specularity, specularity brightness, brilliancy, transparency, refraction index, turbidity, turbidity saturation, roughness, and effectiveness, can all be freely defined.

### 1.357 r3d2a

#### Animation System

- Particle Animation System based on Newtons Laws of Motion which includes all necessary force field allowing realistic simulation of wind, gravity, magnetism, friction, etc.
  - Behavioural animation where objects can have there own intelligence and react to their living environement making decisions and communicating with other objects.
  - All objects can be used as particales for particle animation.
  - New and revolutionary time based animation system based on the object oriented theory.
-

- 24 different techniques for creating animations.
- All animation data is a natural part of the object itself allowing the user to save, load, duplicate, etc, animated objects as easily as the simplest primitive.
- Lines, circles, ellipses, b-splines, etc can be used for defining motions, rotations, and other transformations for objects. Mathematical formulas and RPL procedures can also be used.
- User defined control curves can be used for non-linear time accurate control over acceleration/deceleration.
- Material properties, textures, cameras, and light sources can all be animated like any other object.
- Inverse kinematics allows the user to redefine end point for skeletons. For example: pulling on the finger of a pobot hand will cause the whole arm to follow with proper bending at the joints.
- Collision detection with user defined environment controls.
- Skeletal control supports hierarchical skeletons needed for modelling character animations.
- Key framing can be used for object animation of light sources, textures, cameras, and materials.
- Hierarchical animation construction: a fish swims along a path, the path is deformed by gravity caused by the globe which follows a circular route around the sun, etc.
- RPL interface to all animation techniques provides the user with easy and fast way to customize the procedures.
- All linear and non-linear transformation and deformations such as size, stretch, bend, etc... can be animated.
- Animated background images.
- All animation types can be freely mixed with each other.
- Frame commands for controlling single frame controllers.
- Boolean operations can be animated: drill a hole through an object with a drill, pull it back and the hole disappears.
- Procedural animations. RPL allows the user to create unique animations.
- ANIM OP CODE 5 support.

## 1.358 r3d2o

Archive Sites

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At present all uploads of new info should go to  
wuarchive.wustl.edu  
/amiga/systems/incoming/real3d

### **1.359   imagine**

Another 3D product. Many users of Real3D were users of Imagine.

### **1.360   lightwave**

A competitor 3D product.

### **1.361   internet**

Wonderful world wide computer network. Filled with many strange and interesting individuals.

### **1.362   define_csg**

Constructive Solid Geometry.

### **1.363   define_inversekinematics**