

WELL, WHAT YE OLDE FUCK. HERE ARE THE SCHEMATICS. I DON'T THINK YOU CAN GET BUSTED JUST FOR KNOWING HOW TO MAKE COMPARATERS, SO I WILL JUST SAY NOT TO USE THEM ON ANYBODY ELSE'S PHONE. IF YOU DO, I'M NOT RESPONSIBLE FOR WHAT GOES DOWN. I REALLY DON'T CARE BUT THAT'S HOW IT GOES...

OK... NOW THAT THINGS ARE COOL, I WILL GIVE YOU THE SCHEMATICS... BUT FIRST... AS EVERYONE KNOWS, TEXT-SCHEMATICS SUCK SHIT. THAT BEITH WHY I HAVE DEEMED IT NECESSARY FOR SOMEONE TO CREATE A STANDARD ELECTRONIC CHARACTER SET.

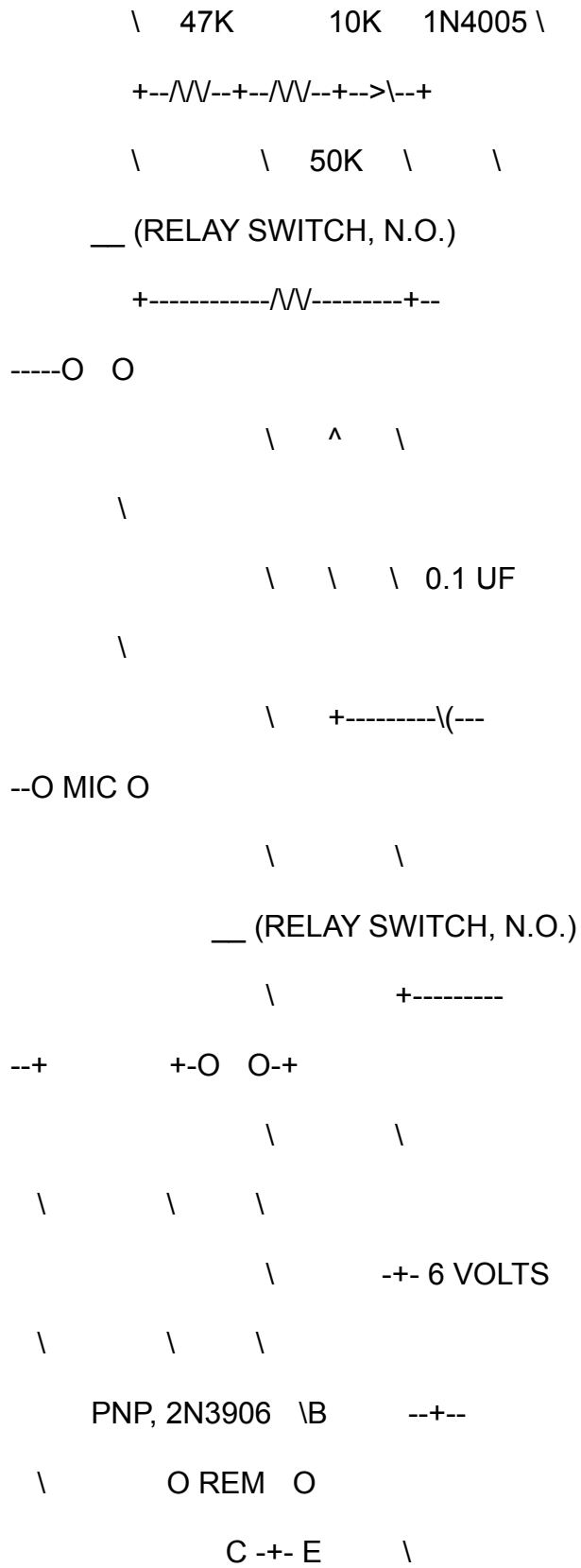
MAYBE I'LL WORK ON IT BUT IF SOMEONE COMES UP WITH ONE, ALL HAIL THE MIGHTY CHARACER SET! MY IDEAS FOR ITS CONSTRUCTION ARE LIKE HAVING STANDARD CHARACERS REPRESENT ELECTRONIC SYMBOLS LIKE THIS...

'Q' = LEFT SIDE OF HORIZONTAL RESISTOR
'E' = RIGHT SIDE OF HORIZONTAL RESISTOR
'R' = HORIZONTAL CONNECTION
'T' = VERTICLE CONNECTION
'Y' = HORIZONTAL CAPACITOR, NON-POLARIZED
ETC, ETC, ETC...

ANYWAY, TIS BUT A THOUGHT. IT COULD BE DONE USING HRCG WITH DOS TOOLKIT AS EVERYBODY HAS THAT, OR WHATEVER, BUT THE THING IS TO KEEP IT STANDARD FOR EVERYBODY! IF THIS CATCHES ON, MAYBE PEOPLE WILL PASS ESS DIGITAL DESIGN SPECS OVER THE MODULATOR... SO, HERE BIETH THE CIRCUIT... AS SOMEONE ONCE SAID,

"FORMATTED FOR 80 COLUMNS... USE YOUR DAMN PRINTER!"...

^ TELEPHONE LINE ^ *Schematics could not be saved...sorry
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\ "THERE BEHIND THE GLASS, THERE'S

\ \

\ A REAL BLADE OF GRASS! BE

\ \

\ CAREFUL AS YOU PASS, MOVE

\ ALONG, MOVE ALONG..."

\ \

\ E, L & P.

/ \

\

NPN, 2N3904 \B \

\

E +- C \

\

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\ (CONTINUED IN NEXT BULLETIN...)

\ RELAY COIL

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+----!!!!!!-----

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YEAH, SO THE ABOVE BULLETIN WAS THE SCHEMATIC. NOW FOR AN EXPLANATION. AS THE THEORY OF THIS THING WAS MENTIONED IN A PREVIOUS BULLETIN, I WON'T CONCERN MYSELF WITH THAT. FIRST A PARTS LIST...

RESISTORS... 47K OHM, 10K OHM, 1K OHM.

POTENTIOMETERS... 50K OHM TRIM POT

CAPACITORS... 0.1 UF

SEMICONDUCTORS... PNP - 2N3906 TRANSIS

TOR, NPN - 2N3904 TRANSISTOR, 1N4005 DIODE.

BATTERY... ONE 6 VOLT OR FOUR 1.5 VOLT, A SWITCH WOULD BE NICE...

RELAY... I'M USING A LITTLE BLUE 4.5 VOLT (I THINK) RELAY WITH DOUBLE POLE, DOUBLE THROW CONTACTS. IT'S IN A DIP ARRANGEMENT AND I CAN'T REMEMBER THE RADIO

SHACK NUMBER...

MISC... VARIOUS SIZES OF JACKS FOR INTERFACING THE TAPE RECORDER, BATTERY, TELEPHONE LINE, ETC.

I BUILT THIS THING FOUR TIMES ON A BREAD BOARD AND TWICE ON A PC BOARD BEFORE I GOT IT TO WORK TO MY SATISFACTION. I SUGGEST YOU BUILD IT ** BE ON A BREAD BOARD. LAST MINUTE CHANGES ALWAYS KILL ME... WELL, ASSEMBLE THE PARTS AS SHOWN IN THE SCHEMATIC BULLETIN. A WORD ABOUT THE CRYPTIC CODES...

--\(-- IS A POLARIZED CAPACITOR WITH THE NEGATIVE END POINTING

RIGHT...

-->\-- IS THE DIODE WITH THE CATHODE POINTING RIGHT...

\B IS A TRANSISTOR WHICH IS SPECIFIED EITHER PNP OR NPN.

-+- ON NPN, THE ARROW ON THE EMITOR POINTS OUT. ON PNP

C/\E IT POINTS IN. THE LEADS ARE DESIGNATED, 'B' FOR BASE,

'E' FOR EMITOR AND '

C' FOR COLLECTOR

2N3904 AND 2N3906'S ARE EASY TO COME BY. RADIO SHACK SELLS BOXES OF 15 FOR UNDER 5 BUCKS. THEY'RE FUN TO PLAY WITH AS THEY ARE GOOD GENERAL PURPOSE TRANSISTORS. I CAN'T GUARANTEE GOOD RESULTS IF YOU USE OTHER TRANSISTORS, BUT IT WOULD PROBABLY WORK. 1N4005 IS THE DIODE AND CAN BE CHANGED FOR ANY DIODE THAT HAS APPROXIMATELY THE SAME RATINGS, 100 PRV MINIMUM, 1 AMP, ETC...

I RECOMMEND DURACEL BATTERY'S FOR THE SOLE REASON THAT THEY LAST LONGER THAN REGULAR CARBON BATTERY'S (UP TO 35% LONGER!) BUT IF YOU HAVE A 115 AC OUTLET NEARBY (YOU PROBABLY WON'T FIND ONE IN A PEDISTAL) YOU COULD USE A 6 VOLT POWER PACK.

HOW TO USE A (COLOR\$) BOX...
AS UNSTUPIFYINGLY ITERATED BY:
THE [604] GERBIL
(SO TO SPEAK...)

OK. NOW THAT YOU'VE MADE THE (COLOR\$) BOX AS MENTIONED ABOVE, YOU MAY WANT TO KNOW WHAT TO DO WITH IT. MANY GOOD PHREAKS MAY

NOT WANT TO BOTHER READING

THIS MESSAGE, AS THE USES ARE QUITE OBVIOUS. BUT THIS IS WHAT I THINK IT COULD BE USED FOR...

WELL, SAY YOU SUSPECT YOUR GIRLFRIEND OF CHEATING ON YOU...
HMMM, THAT ACTUALLY IS QUITE A FRIVOLOUS USE, BUT IT IS A POSSIBILITY...

OK. THE SCENARIO IS AS THUS: YOU'VE BEEN DIALING NUMBERS IN YOUR LOCAL EXCHANGE AND YOU'VE FOUND A COUPLE COMPUTERS BUT YOU DON'T KNOW ANY PASS-WORDS... WHAT YOU'D DO IS CALL UP CN/A AND GET THE LOCATION OF THE NUMBER YOU WANT TO CHECK OUT. THEN, YOU'D GO TO WHEREVER THE PLACE IS AND CHECK OUT WHERE THE SERVICE ENTERS THE BUILDING. NOW HERE IS WHERE THE SHEEP GET SEPARATED FROM THE GOATS OR THE PIRATES FROM THE PHREAKS, OR WHATEVER...

WHAT YOU HAVE TO DO IS SOMEHOW GET AT THE TWO WIRES MAKING UP THE LINE. YOU COULD BREAK IN, OR YOU COULD STRIP THE WIRES ON THE POLE, OR IF THERE IS A PPIT THERE. ANYWAY, YOU GET SOME BARE WIRE AND ATTACH THE BOX ACROSS THESE WIRES.

THEN, YOU PUT YOUR TAPE IN AND PRESS PLAY & RECORD, TURN YOUR BOX ON AND FORGET ABOUT FOR A COUPLE DAYS. NOW, SEVERAL THINGS MIGHT HAPPEN IN THE NEXT FEW DAYS. ONE - SOMEONE MIGHT FIND THE BOX AND CALL THE PHONE COPS. TWO - THE DUDE MIGHT CALL OUT ON THE LINE IN WHICH CASE, THE NUMBERS WILL BE RECORDED ON THE TAPE. THREE - THE GUY MIGHT GET INCOMING CALLS WHICH WILL BE RECORDED. FOUR - THE BATTERYS MIGHT WEAR OUT. FIVE - THE WORLD MIGHT BLOW UP...

SO, YOU GET YOUR BOX BACK AND YOU SEE WHAT'S ON THE TAPE. IF IT'S A COMPUTER, THEN YOU PLAY THE TONES BACK INTO YOUR DEMODULATOR AND SEE WHAT IS GOING ON. YOU WILL GET ALL THE PASSWORDS, ACCESS PARAMETERS AND EVERYTHING

THAT WENT ON THE LINE. SOUND INTERESTING? BUT YES, IT IS!

HMMM, DID I REMEMBER TO SAY WHAT THE FOUR PAIRS OF WIRES COMING OUT OF MY BOX ARE? ANYWAY, ONE IS THE BATTERY, ONE IS FOR THE LINE,

WHICH YOU ARE TAPING INTO, ONE GOES TO THE MICROPHONE OF THE TAPE RECORDER AND THE LAST PAIR GOES TO THE TAPE RECORDER'S REMOTE JACK.

WELL, THAT BEITH ABOUT ALL FOR YOUR LESSON ON HOW TO (COLOR\$) BOX YOUR WAY INTO PASSWORDS AND SUCH... IF YOU'VE GOT QUESTIONS, JUST POST THEM AND THE WORST THAT COULD HAPPEN IS THAT I WON'T BOTHER ANSWERING THEM AND YOU'LL LOOK STUPID, BUT THAT WOULDN'T BE NICE.

FEAR NOT, I SHALL NOT FORSAKE THEE! PLEASE EXPECT MORE WONDROUS CIRCUIT

DESIGNS IN THE FUTURE FOR OTHER FUN TTBYIST...