# CompuNAV Guide

## Introduction

**CompuNAV is a database manager application design**ed **to provide general routing information rapidly. It** was developed on the Macintosh® and it **is presently based upon** the database program **FileMaker**® **Pro (2). This application should be usefull to those who would like to plan either a simple sailing trip or an extended** round-robin **flig**ht. Please note that your shareware contribution is most important as it will have a direct impact on future development work and the level of support that will be provided.

## Overview

**CompuNAV is similar to a small navigation black box that can store 194 waypoints and 24 routes, where each of the route can have up to 18 waypoints. Two files are used concurrently since data is extracted automatically from one file to fill in what is required for various calculations that are performed in the other file. The file WAYPOINTS provides the capability to edit, find, list, and store up to 194 waypoints. Whereas the file ROUTES  is used for listing, modifying, and storing 24 routes. Presently, these routes have only track and distance information between two consecutive waypoints; the total distance of the entire route is dynamically calculated and displayed whenever the user is entering or changing waypoints. You can print both the routes and all the waypoints if you have a registered copy of the CompuNAV application (see the registration section).**

## Functionality

Every time CompuNAV is started, the files **WAYPOINTS** and **ROUTES** are opened simultaneously. The introduction layout will be displayed the first time CompuNAV is started. Those who would like to know how to operate CompuNAV should select the *New User* button and read the information presented from the online guide. Upon exit from the guide you will have the **WAYPOINTS** list displayed on the desktop.

First, you will see a list of all the waypoints that are stored already in the file **WAYPOINTS**. This is the moment to verify that every waypoints required for the intended route is in fact available. You can enter a new waypoint by selecting an empty waypoint using the Find/Edit

button and then type in the information (latitude, longitude, name, etc. ) required for each field. You can also completely change the information contained into a non-empty waypoint.

After you have verified that the necessary waypoints are defined and stored in the file **WAYPOINTS**, you can then move on to the file **ROUTES**. As mentioned before, there are 24 routes but only five or six routes will be displayed. You simply have to scroll down the list to see more routes. This layout shows the route number, the total distance, the departure and arrival airports. (You can press the button with the label *All Routes* at the bottom of the window to ensure that all routes were found).

You can display a route using the button *Find* and entering the desired route number, and then hit the ENTER key twice. You can also access clicking anywhere within a particular route using and then hit the Edit button. To modify the selected route press the TAB key until the cursor is located in the box of the first waypoint number; now delete the waypoint number and insert a new one that is based upon the information previously displayed in the **WAYPOINTS** file. As soon as you hit the TAB key, all the information about that waypoint is loaded and you can proceed with the next wayoint until you have completed your new route. You must insert a zero in the waypoint number to clear waypoints that are no longer required.

**Waypoints**

The **WAYPOINTS** file is used to store 194 waypoints with the following information: the waypoint point number, the name, the latitude, the longitude, the variation, and the region. The name WAYPOINTS should never be changed as it is used in numerous lookup functions.

**All the waypoints are first presented through a list that you can scroll in both directions. To view a specific waypoint you can use either the *Find* or the *Edit* button. You should use the *Find* button if you are just searching for a particular waypoint. To modify or replace a waypoint you should use the *Edit* button. The *List* button should always be selected before printing the waypoints. Finally, the RTEs button is used for moving over to the ROUTES file.**

**Routes**

**The ROUTES file is used to create and store 24 routes. This file will compute distance (nautical miles) and track (degrees from True North) information for waypoints that have North latitudes and West longitudes; the application will ultimately be upgraded for global positions. The total distance and the destination point are determined automatically**

**as you enter new waypoint point numbers. To remove or clear a waypoint from the route you must first enter zero for the waypoint number. You choose a route by moving the cursor anywhere on the line and click once, and then hit the *Edit* button. To print a single route you must hit the *Print* button and click the radio button beside current record, otherwise you will print all the 24 routes.**

## Printing Reports

**There are mainly two types of reports that can be printed from the application: one consists in a list of the 194 waypoints, and the other is simply a hard copy made from a selected route. Many other possibilities exist from the print option under the file menu but they are beyond the scope of this guide.**

## Registration

By registering your copy of CompuNAV you indicate to the author that you have a serious interest in this application. You might also have a say as to what enhancements will be included in the next version. As a bonus, the shareware fee will be waived when CompuNAV version 1.5 is released, but only for the first 100 users who made their financial contribution to the present version.

The shareware fee is divided into three distinct categories:

- Basic (print access) $10.00 (US)
- Normal (add/delete records) $24.00 (US)
- Superior (full access) $41.00 (US)

## Distribution

CompuNAV can not be distributed without the author's autorization. All the original files shall be included with every distribution.

## About the author...

Dominique J. Landry can be reached through Internet

E-Mail: ae520@freenet.carleton.ca