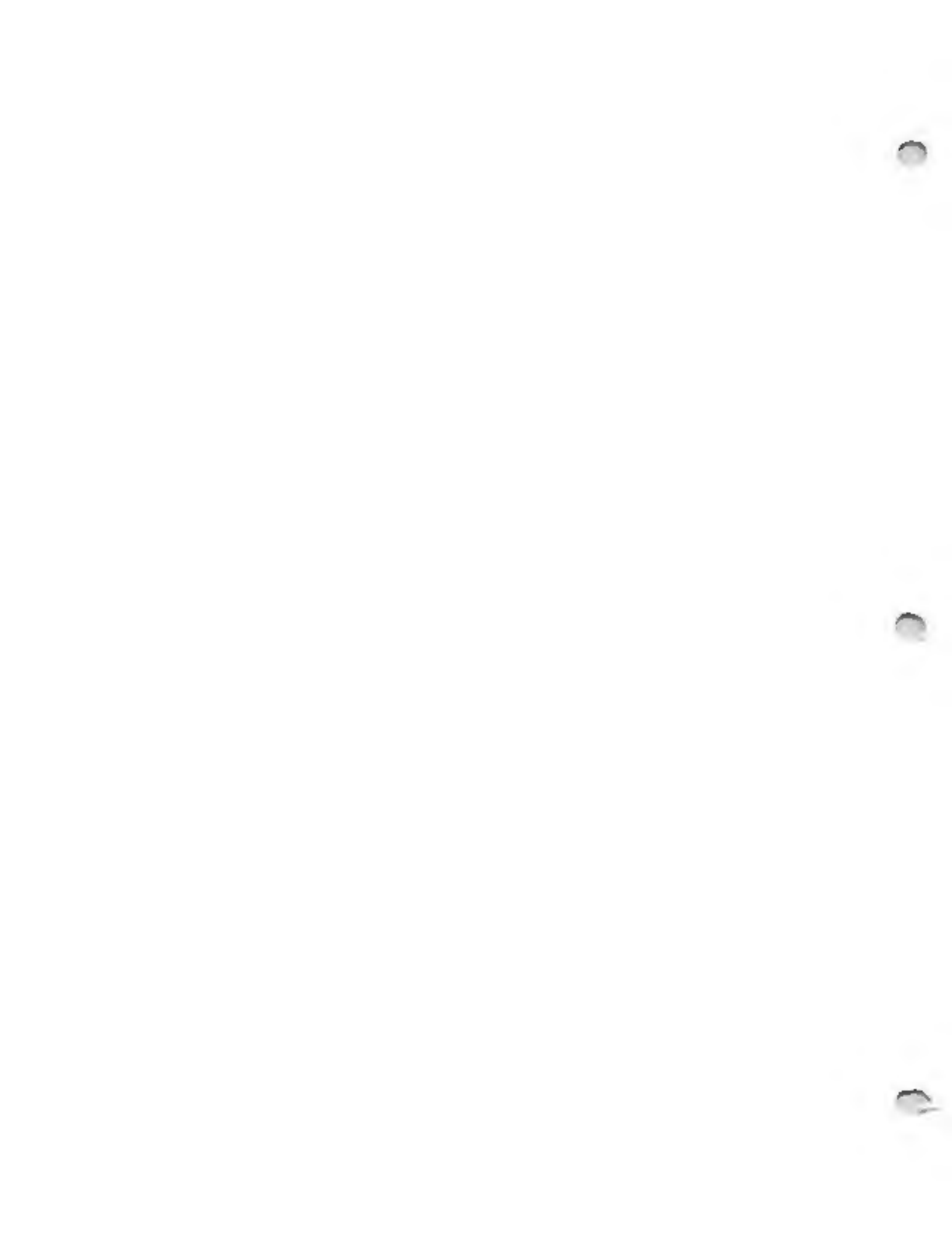


U

UFO Database

Instruction Manual



U

A UFO SIGHTING DATABASE AND MAPPING PACKAGE.

13JAN95

NOTE: You will want this manual at hand before you use U.EXE .
You cannot call this information from inside the program.

WHAT is *U*? A UFO DATABASE, MAPPING PACKAGE and RESEARCH TOOL developed for IBM Compatible PCs. *U* is a stand-alone package written in C-language. *U* runs under DOS 3.0 through 6.0+ for speed and efficiency. There are no Windows, Macintosh or other non-DOS versions.

Over 10,000 high-quality cases have been distilled from 170+ sources including many books, magazine articles, the UFO Newsclipping Service, Russian translations and foreign catalogs.

Sources include all available books by Jacques Vallee, Richard F. Haines, Loren Gross, Aime Michel, J. Allan Hynek and many others. Multiple sources are often used to help fill the 85 fields in each record. See Appendix VI for a complete list.

A file search mechanism allows you to retrieve records through a "filter" which limits the search by Dates, 64 different Attributes, by Search-Phrase, Continent, Country, Environment, Strangeness, Credibility, Reference and more.

Selected records may be "stepped-through" on a screen display; edited; shown on high-quality maps; displayed as several bar-charts and other statistical functions. Certain fields are exportable as ASCII (text) files for use in spreadsheets and other applications packages.

SYSTEM REQUIREMENTS:

- >> IBM Compatible PC with DOS 3.0 thru 6.0 ; Experiments with Macintosh Pseudo-DOS have failed so far..
- >> 80286, 386, 486 or Pentium Microprocessor; 1MB RAM.
- >> VGA Video: 640 x 480 pixels by 16 colors, or better.
"HI" EGA (640 x 350 x 16) works with slightly truncated screens.
- >> HARD DISK DRIVE Required. Takes approx 2MB of hard-disk space.
- >> 1.44 MB 3.5" "stiff floppy" drive to load the package.
(a 1.2MB 5.25" soft floppy format is available by special request.)
- >> Math Coprocessor RECOMMENDED for speed but NOT REQUIRED.
- >> A MOUSE is STRONGLY RECOMMENDED but not absolutely required.

FOR CUSTOMER SUPPORT call Larry Hatch Software at 1-415 366-4472

- >> Have your Serial number ready, your computer up and running.

INSTALLATION INSTRUCTIONS:

- 1) Change to A: or B: drive and insert the diskette provided.
see README.DOC for any changes since this documentation was printed, including updated installation instructions.
- 2) IF you have NO C:\UFO SUBDIRECTORY, type INSTALL [Enter] for automatic installation. Follow screen instructions, if any. Skip to step 4).
- 3) IF you HAVE a C:\UFO Subdirectory, compare the filenames in your existing C:\UFO subdirectory against the list in README.DOC .
If there are conflicts (exact same FILENAME.EXT, highly unlikely), RENAME or MOVE old conflicting file to a different subdirectory.
Having done this, change to A: or B: again. Type INSTALL [Enter] for automatic installation.
After installation, the *U* Database will start up automatically .
- 5) To Call the *U* Database after this, Type U [Enter].

See README.DOC and NewFunc.DOC
for new functions and features -LH

CHAPTER 1: HOW TO USE *U*

ASSUMING proper installation, with ALL files on C:\UFO subdirectory, change to C:\UFO and simply type U [Enter].

Green bars will show briefly indicating that the proper files are found, and sufficient memory is allocated etc.

Any problems will show up in RED. BLUE lines suggest corrective action.

THE MAIN MENU with ten options appears to the left.

To the right is a grey Files Statistics window.

The UFO file is the main database. There is an absolute maximum of 15,000 records at present. The actual number used (over 10,000) is displayed, with the record size in bytes. The KEY or SPEED file should show the same statistics, except for the 9-byte record size. CORE MEMORY is bytes of free RAM after loading U.EXE and speed file.

DRIVE indicates which disk drive you are in, this should be C: or D: . Bytes left free on that particular drive are also shown. DATE and TIME are updated every time you press a key or return to the Main Menu.

The MAIN MENU offers TEN MAIN OPTIONS:

To select any Main Option, either Press a number key (0 - 9) -or- Press UP/DOWN arrow keys until your Option is lit and press [Enter] -or- Move MOUSE to chosen option and click left button.

Option [0] simply exits the program and leaves you with your standard DOS PROMPT C:>\UFO .

Option [1] is the EXAMINE / EDIT option. You start out in EXAMINE mode. When you select Option [3], the Records Window appears at screen bottom. Record #0 will appear the first time. The record shown in Yellow with a Tan background is the ACTIVE record. 4 neighboring records are also shown in black and grey. Should you decide to EDIT, you will be editing the Active Record. A Green Box above the Records Window shows the Active Record Number.

At the Upper Left is a matrix of ATTRIBUTES (characteristics) for each sighting. You will see these flash on and off as you move from one active record to another. Files Searches and Map Displays may be based on any and all of these, as well as other fields. See Appendix II for the definitions of all Attributes.

At screen Upper Right is a display of fields that are don't fit well elsewhere: Date/time accuracy; Environment/locale, Reference number name and page, strangeness/credibility etc.

UP and DOWN ARROW keys move you through the records one at a time. The [Page Up] and [Page Dn] keys move 10 records at a time. Holding the [Ctrl] (control) key down, pressing the Page-Up/Down keys now moves you +/- 100 records at a time.

Suppose you want to examine some records for 1965. Press the [G] key (regular letter G). The green Records Number window now says "GO TO YEAR? ____". Just key in 65. The first record found in 1965 will show. The space bar will step ahead one record at a time. Press the [Esc] (escape) key to return to EXAMINE mode. You are now free to maneuver using the Arrow and Page keys as before.

NOTE: for years prior to 1920, you key in ALL 4 DIGITS e.g. 1-9-1-9.

The [Home] key takes you to Record #1. The [End] key drops you to the very last record, presumably the most recent UFO event.

The [F] key will immediately show a Flat-Map display centered on the Active Record! Green Arrows and a RED pixel indicate this sighting. The [T] key will likewise show a Trig-Map. The [Z] key shows a Flat Map but ZOOMS IN more. [F] [T] and [Z] are called Q-Maps for Quick. Q-Maps work with VGA Video ONLY. Press [Esc] to exit any Q-Map.

The [E] key means "Edit the Active Record now."
IF you get into EDIT mode by mistake, press [Esc] twice.
See Chapter II for Full File Editing instructions.

NOTE: You may call these maneuvers from the Green Boxes at screen bottom. Click your MOUSE (left button) on any Green Box, -or- Use LEFT and RIGHT ARROW keys and press ENTER.

HELP SCREENS are available. Just press [F1]. If you press [F1] here, you will be advised to press [Ctrl] [->] (hold Ctrl key down and press right arrow.) This will replace the upper windows with a full list of keystrokes, so you will not need to refer back to this manual.

Option [2] plays the "Flying Saucer" theme on a simulated Theramin.

Option [3] is DATA SEARCH. You set restrictions on virtually any field in the database. Each restriction EXCLUDES some records. Records passing all tests are displayed, sequentially, in the Records Window at screen bottom. A keystroke (use the space-bar) jumps to the next record passing your tests. You can limit your search by DATE-Ranges, ATTRIBUTES (inclusive or exclusive), CONTINENT and COUNTRY, ENVIRONS, STRANGENESS and/or CREDIBILITY ratings, LONGITUDE/LATITUDE limits (inclusive or exclusive), REFERENCE NUMBER, DATE/TIME ACCURACIES, and TIME-of-DAY ranges. After the final record is found, you go to the EDIT / EXAMINE screen. Hit [Esc] key for the Main Menu from there.

EXAMPLE: You could look for all records from FEB.1949 to NOV.1971 where a UFO LANDED in the USA, in FARM country, with good Strangeness and Credibility ratings, KNOWN dates and times between 10PM and 2AM, from 90 to 100 degrees West, from 40 to 50 degrees North, having the word-fragment "horn" in the text field.

SEE APPENDIX I for full instructions on setting SEARCH LIMITS.

Option [4] or [D] is an endless Demo Display Routine for sales purposes. A FILEDUMP (Option [3] looks for search phrases in the Text Field. Then, a series of Maps show with special features turned on and off randomly. Press [Esc] 2 or 3 times to return to the Main Menu.

Option [5] is the Statistics Menu. When you select Main Option [5] you are presented with a Sub-Menu of 6 Statistical Functions. Since these cannot replace the many rigorous functions in a dedicated Statistics Package, the 7th Stat. function is an ASCII FILE EXPORT routine, enabling transfer to other applications.

Stats #1: DELIMITED BAR GRAPHS. Several Histograms are displayed in sequence. You may set Search Limits (as before in Option [3]) or not as you prefer. There will be a delay of up to 2 minutes while database data is crunched, varies greatly, 40 seconds is typical.

The First display is a dual Bar Chart. Years are on top. The "RED" year is broken down into months on the bottom. Use Left/Right ARROW keys to shift years. [Page Up] and [Page Dn] keys shift left and right by 10 years. Month-bar sizes are RELATIVE to one another for one year only. These are re-scaled as space allows for each Year.

Actual number of sightings appears under each bar. 01 means January, 12 = December. Keystroke instructions appear right on the graphics in white so there is no [F1] HELP here. The [Esc] key or DOWN ARROW takes you to Display #2..

The Second display is sightings for each of 12 months, REGARDLESS of year. For example, all January sightings are lumped together. Some countries seem to be busy at different times of the year, so experiment with this. "Busy seasons" vary over decades too. [UP-ARROW] returns you to the First Barchart. [Esc] or [Down Arrow] proceeds to the Third display below.

The Third display is by weekdays only, regardless of month year or time, for whatever Search Limits you may set, if any. Press [Up Arrow] for the Second display. [Esc] or [Down Arrow] goes to the Fourth display.

The Fourth display is an HOURLY breakdown for ALL SELECTED records. With NO Search Limits, you get a very noteworthy curve which may represent peoples' sleeping habits in part. [UP-ARROW] returns you to the Third Barchart display. [Esc] or [Down Arrow] shows the Fifth display below.

The Fifth display was suggested by a prominent Stanford physicist. "Sidereal hours" is a way of representing which part of the stellar sky is overhead at a given date, time and location, regardless of the time of day. This is the same as "Right ascension" in astronomy tables. Zero hours represents the Vernal Equinox, while 19hrs is in the region of Sagittarius toward the galactic center. Up/Down ARROW keys maneuver through these displays as always.

The Sixth display is in "Moon-Hours". "Moon-Noon" occurs when the moon "high" over the local meridian, as high as it will get on that day/nite. This has NOTHING to DO with the phases of the Moon. It could be broad daylight. IF the moon on the local meridian when a UFO event occurs, (and automatic time accuracy tests are set), then the moon is at 12 hours, and the corresponding BAR is incremented. The significance of this is obviously debatable.

The Seventh display divides your records up by "Continents", or more accurately Global Regions. This depends on the availability of quality reports; many countries simply don't provide enough data.

The Eighth display divides your records into "environs" such as Urban, Farm, Residential, High Seas, Desert, Road and Rails etc. assigned arbitrarily by our diligent programming staff (1).

Stats #2: FIND LOCAL WAVES or CLUSTERS of SIGHTINGS.

i.e. Groups of events localized in space and time.

You will enter a SEARCH RADIUS (in miles). Press [DOWN ARROW] for the Default value of 75 miles.

You will also enter a TIME RADIUS. (Press DOWN ARROW for default value of 30 days.) The algorithm looks for Sightings falling 30 days (or less) BEFORE, AND 30 days AFTER each record date; giving an actual time "diameter" of 60 days, twice the "radius".

The Starting Year Defaults to 1850. Ending year defaults to 2049.

(Try entering 1954 to 1954 and see where the clusters happen..)

In place of full Search Limits, you may limit by Continent and/or Country only, but again generally not, so press [N] again.

If your "Radii" limits are too "tight" you won't find anything.

Stats #3 STATE/PROVINCE BREAKDOWN: This function limits is limited

to the USA and Canada. Record selected are broken into States and Provinces. The function finds the ratio of raw-event-counts to population, and to area for each state/province.

These are sorted by highest and lowest ratios, to find which States stand out. Use up/down arrow keys to jump between screens.

Stats #4 LONGITUDE/LATITUDE COUNT. This divides the world into unit

degrees of Long. and Lat. and just counts sightings for each.

The Longs. and Lats. with the highest counts are hi-lited in blue.

Stats #5 SIMPLE EVENT COUNT: Based on the Search Limits you set if

any, the function simply counts the records, gives you the total, with a breakdown by continents/countries. This is good for quick statistics under set conditions.

Stats #6 BUSIEST DAYS IN THE DATABASE. Again you set Search Limits.

The function will count all events for each given day. The dates with the highest score are sorted to the top of the list.

You may abort the search, [Esc] and get the busiest days so far.

Stats #7 FILE EXPORT: Using the usual Search Limits, this function

will create a new ASCII (text) file which you can send to any drive from A: to D:.

At present (and subject to change) the exportable fields are Year; Month; Month-day; Year-day (1-366); Longitude;

Latitude; (both L & L are encoded in 20-second increments so that 21601 becomes 180:00:20 WEST Longitude. East Longitude and South

Latitudes are NEGATIVE). Time of day in unit 10 minute increments (10 = 100 minutes = 0140hrs = 1:40 AM); Year, Month, Day and Time

accuracy (3=known; 2=approx., 1=unknown and 0=irrelevant);

All characters are ASCII (text) encoded for import into spreadsheets, math packages, word processors etc. Each Field is terminated with a TAB character (Ascii 9) for even columns and separate fields. Each Record terminates with a Carriage Return (13,10 decimal = 0DOA hex.) An EOF (end-of-file = 255 decimal = FF hex.) ends the Export file.

The user chooses which fields to export; not all fields are available. Use arrow keys and press Y or N in each box provided. Press [Enter] to continue on to Export Drive selection. You may choose the Filename and Extension for the new file; default is EXPORT.TXT. On-Screen instructions and [F1] help make this all fairly foolproof.

You will want to place Search Limits or restrict your fields to avoid HUGE export files.. Ascii is a very inefficient way to code data. If you create an export file with the same name as an existing export file, the new one will erase and over-write the old one.

Now. Back to our Main Menu..

Option [6] displays FLAT MAPS. These are mapped as if Longitude and Latitude lines were parallel, such like those old school maps showing Greenland larger than South America. Flat Maps are fast and allow Mouse Retrieval of UFO records by clicking on the corresponding pixel.

A confusing array of Keystroke Options appears. Press [S][M] for the default or previously shown map. The white dots represent UFO sightings from the database. If no Search Limits are set, the entire database of UFO sightings will appear as white dots.

To set our standard Search Limits press [S][L]. You will go through the same process, as above, in Data Search Option [3] See APPENDIX I instructions for setting and unsetting SEARCH LIMITS.

To show Korea type [K][O]. To move Korea to the right (i.e. to look WEST of Korea) press [=>] arrow key. The UP, DOWN, LEFT and RIGHT arrows all SHIFT the map display. [Ctrl][Arrow] and [Alt][Arrow] do DOUBLE and TRIPLE shifts.

To jump to France, type [F][R]. Great Britain is [G][B]. (Enter [M][L] for a fast on-screen list of these jump-codes anytime.) To ZOOM-OUT (perspective) press [Delete]. To ZOOM-IN press [Insert]. You can zoom out to show all of Europe, but it is faster to press [E][U].

Now enter [R][+] for Rotation On. This will take a little while. The year of the latest dot placed is shown in upper-right corner. Older records are removed to show activity moving from place to place.

You can switch to the TRIG-MAP directly! Press [T][M]. NOW press [N][A][T] for North Atlantic. Watch how the UFO activity moves back and forth across the Atlantic between Europe and America. [F][M] returns you to the Flat Maps which are faster.

AT ANY TIME during map displays, you may:

- > Press [F1] function key for HELP.
- > Enter [R][+] for Rotation display. Enter [R][-] to shut this off.
- > You can Press [L][+] to insert Longitude/latitude lines.
Enter [L][-] to get rid of them.
- > Press [Page Up] for 2 or 3 letter place-name tags.
These show anywhere maps have space to display them.
Zoom in to enlarge states and countries, allowing more space.
Press [Page Dn] to get rid of the place-name tags.
- > Enter [T][M] to switch to the Trigonometric Map,
or [F][M] to show the Flat Map, which is faster.
NOTE: Trig map does NOT support the MOUSE. Use FLAT MAP
to find the record corresponding to a display dot-pixel.
- > Enter [S][+] to turn "SOUND ON". The computer will make little
"beeps" for each Sighting on the screen. Pitch varies with
Longitude East and West with higher pitched beeps to the East.
Enter [S][-] to disable this annoying feature.
- > Enter [D][+] to display the events of a SINGLE DAY. Try this:
When prompted, enter 1988 for the Year, 01 (January) for
the month, and 04 for the day. Nothing will show on the USA map..
Now press [G][B] for Great Britain. Surprise.
- > Halt the placement of sighting-dots: Just press [H].
Press any key to resume placement. If you halt the display with
the [Esc] key, you can switch other features on and off, but the
Map display will start all over again using [S][W].
- > CHANGE MAP COLORS. Default is Yellow Maps with White-dot Sightings.
Press [O][G] for dark green map outlines. (easier on the eyes).
[O][O] for orange maps. [O][W] = white maps. [O][Y] = Yellow.
[O][B] is Black (invisible) outlines. Sightings Dots still show.
Press [D][B] for Light Blue sightings Dots. [D][G] = green,
[D][V] = Violet, [D][Y] = Yellow, [D][W] = White, [D][O] = Orange.
Press [R][C] (Restore Color) anytime to restore the default yellow
map outlines with white sightings dots.
- > Enter [C][C] to CENTER map on the LAST PLACE you clicked the Mouse.
If you clicked on a Sighting, it will be indicated with green arrows.

Map Features OTHER than color, (Sound, Long/Lat lines, Rotation etc.)
Stay active until you shut them off [S][-], [L][-], [R][-]... - or -
you return to the Main Menu, where they are ALL reset.

To "Blow Up" the display, i.e. "zoom-in" press [Insert].

[Ctrl][Insert] does a Double Zoom-in. [Delete] zooms-OUT showing more
area, with each state or country reduced in size. Do this anytime.

NOW: lets try something more interesting. From the Main Menu select
option [6] (Flat Map) again. Turn off or leave off the Rotation,
grid-lines and place-names for a cleaner display.

Then press [S][L] to Set Search Limits.

You are asked "SEARCH/DISPLAY by DATE?" Press [Y] for YES.

Enter 1954 08 for the Starting Date (AUG 1954) -- then

Enter 1954 11 for the Ending Date (NOV 1954).

You are asked "SEARCH by ATTRIBUTES?" Press [ESC] which
means "Just show me the map. No more limits."

Some map will appear, with a few sightings, only 4 months worth.

Enter [N][A][M]. Few sightings show in North America.

Enter [E][U] for Western Europe. Notice how busy France is.

Using your MOUSE, move over until the Antenna of the UFO Mouse Cursor is just touching one of the "sighting" pixels. Click the RIGHT button. The Record Number, date and general location for that event will appear on the lower left corner of the screen.

Press the CENTER button (or BOTH buttons simultaneously on 2-button mice) WHEN the "HAND" cursor turns back into the "UFO" icon, press [Esc] for the Main Menu. Now select Option [1] for "Edit/Examine". The RECORD corresponding to the Sighting you "mouse-clicked" now shows in full, in the Records Window of the Text screen! To find another one, select Option [6] again and return to the same map.

The "Hot-spot" on the UFO (Mouse-Icon) is the "antenna" of the UFO. Set the tip of this antenna as close to the desired Sighting-Pixel as possible; you are allowed about 2 pixels of tolerance. This "tight" tolerance allows you to isolate cases that are clustered together. If the cases are still too close together, press [Insert] to "blow up" the map shown. Shift the map as required with Arrow keys.

IF you Click (Right-Button) in a cluster of sightings, several will show in sequence. Use the LEFT button to step through them; use the MIDDLE button (or both OUTSIDE buttons) to stop the search on any sighting. Anytime you press the LEFT mouse button, the Longitude/Latitude of the Mouse-icon will show in the upper left corner of the screen, regardless.

NOW Enter [C][C]. The map shifts so that the Mouse-Clicked sighting is at screen center! You can jump to a different map or leave Maps display entirely. When you return to Maps Displays, a [C][C] entry will return you a map centered on this very same sighting.

GENERALLY SPEAKING, anything you can do with the maps, including a call for help, is just 1, 2 or 3 keystrokes away. One of these options is the Map List [M][L].

The Map Codes themselves stand for countries, global regions, States of the US, Canadian Provinces and even a few metropolitan areas.

IN order to avoid Map-Code conflicts, note the following:

AB calls Alabama, while ALB calls Alberta, Canada.

ARK is for Arkansas. This allows calls for ARMENIA, ARGENTINA etc.

CHC call the greater Chicago area. CHI = China. CHL = Chile.

IA is Iowa, allowing IO to display the Indian Ocean.

Since LA calls greater Los Angeles area (most of southern Calif),

the code for Louisiana is LZ as in LOOZiana.

Enter ML from any Map screen for a complete list.

Option [7] is the same as Option [6], maps, but [7] gives you TRIG MAPS directly, without pressing [T][M]. The TRIG MAP is a section of the spherical Earth projected directly onto the CRT screen.

NOTE: Trig Maps take about 3 times as long to display due to floating-point algorithms used. A math coprocessor will speed displays greatly.

Option [8] is Layered Maps:

This feature allows you to set up 2, 3 or 4 entirely different sets of File Search Limits, displayed on the screen as different colors. A separate file search is made for each "Layer". The first layer is always light blue. The second is red, followed by green and white.

The Layered Maps default to "Flat Map" display. You can present them more realistically by pressing (T)(M) (Trig Map) after the first display. The same map will re-appear as a spherical projection. All the features described in Option [6] Flat Map apply here. Layered Maps may be FLAT or TRIG type, but only Flat Maps allow the Mouse to retrieve records from Sightings dot pixels.

Option [9] is a Hardcopy-output Data Search used for research purposes. Some fields are omitted to save paper. (subject to change.)

CHAPTER II. EDITING RECORDS.

- 1) FIND the record to be edited. Main Option [3] (files search) usually helps. Alternatively use the [G] (Goto-year) feature from Main Option [1] (examine edit) and search around with arrow keys.
- 2) EXAMINE the record using Main Option [1]. Get it centered in the Records Window (tan background) so that it is the ACTIVE RECORD.
- 3) Press [E] ([Shift][Tab] also works.)

The Records Window remains. A new list of Options appears at the screen top-left. 9 sets of fields are shown. Either Click the Mouse left button, or use UP/DOWN Arrows to step to the proper field and press Enter.

Data entry for chosen field is exactly the same as for a NEW entry, (see INSERT below). Have your new data ready beforehand. Each field has separate indications how to enter the data. The [F1] HELP key is available at every step. Use it.

New fields will keep appearing for editing. When you have edited the fields you wanted, press [Esc] to return to the EDIT screen, and [Esc] again for the EXAMINE screen.

CHAPTER III.

INSERTING and DELETING RECORDS

There is only ONE way to add a NEW record: you "INSERT" it using the [Insert] key. When you press [Insert], one of 2 things will happen.

- a) A record search will locate a record with a year greater than 2999 (i.e. a DELETED record). IF FOUND, THIS becomes the new Active Record. All fields are blanked and ready for a new record
- b) Finding no DELETED records, a brand-new record-space is APPENDED to U.RND, with blank (dummy) fields, ready for a new sighting.

NOW you will be asked for all the sighting details, field by field. Have the following information ready before you INSERT

YEAR: (999 to 2049 AD) Year of the sighting/event.
 MONTH: (1-12) If unknown, use 1 for January, or consider dropping the record entirely.
 DAY: (0-31) Day of the month. 0 = unknown.
 HOUR: (00-23) LOCAL Military 24HR clock Remember that each DAY, and hence its DATE begins at 00.00, and ends at 23 59
 MINUTES (00-50) Minutes after the hour, in 10-minute increments. This coding scheme saves time and disk space.
 ACCURACY: For YEAR, MONTH, DAY and TIME, enter accuracy rating:
 0 = DOES NOT APPLY/irrelevant.
 1 = UNKNOWN/Unspecified.
 2 = APPROXIMATE within 1 or 2 Years, Months, Days, Hours.
 3 = KNOWN: EXACT year, month, day: Time is within 60 min.

CONTINENT and COUNTRY: SEE APPENDIX III for a complete list

STATE/PROVINCE: SEE APPENDIX IV for full details
 Continent, Country and State are not obvious. For example, Puerto Rico is under Continent 2 (Oceans/Islands); Country 5 (Caribbean); STATE/PROV = PRC for Puerto Rico.

LONGITUDE and LATITUDE: Both in Degrees:minutes:seconds
 Seconds are rounded to 00,20 or 40 sec. (about 630 meters)

Every effort has been made to gain accurate coordinates, please continue to do so. IF you encounter any gross inaccuracy, or can help find a LOST-SIGHTING (marked CF or QF in the synopsis field) you are STRONGLY URGED to write to us so we can fix the problem.

The UCF.EXE program, if provided, is a separate utility which lists out these "lost sightings" to screen or printer.

SUMMARY: This is a 78-character text field describing WHAT HAPPENED. Always start with the LOCATION spelled out e.g. MENLO PARK,CA: Use commas as shown. Avoid extra spaces See APPENDIX VI for a list of space-saving abbreviations and acronyms ALWAYS squeeze "CF" in, if you cannot get accurate Longitude and Latitude. Use COLONS (:) to separate different features of the sighting.

DURATION: (0-65535 minutes) Time from the first, to the last indication of an anomalous event. Approximate as required, where unknown.

TERRAIN: This is highly subjective. Use METROPOLIS for sightings within the largest cities TOWN for within smaller cities and towns. Residential for Suburbs and housing districts/compounds. Barracks are MILITARY. Farmhouse or Ranch house is FARMLAND or PASTURE. Generally these are chosen by population density and the predominant land usage in the area Sheep or Cattle indicate PASTURE. OIL & COAL are petrochemical recovery or storage areas. TUNDRA includes Muskeg, permafrost, and other northern wastes. DESERT is just that, unless its a CITY in the desert. MOUNTAINS is any mountainous area NOT ALREADY COVERED ABOVE. WETLANDS is any swamp, estuary, marsh etc. NOT COVERED ABOVE. FOREST is any wooded area unless covered above. RAINFOREST is tropical jungles and forests with high precipitation. COASTLANDS: Within a few miles of the shore, unless covered above OFFSHORE. At sea within a few miles of shore e.g. fishing boats. HIGH SEAS: Away from land. Ships at sea. ISLANDS: Smallish islands. NOT Britain, Ireland, Australia, Taiwan.. IN-FLIGHT. Observer in flight, especially if plane is buzzed or paced SPACE: Any UFO or EVENT anyplace OUTSIDE of earths atmosphere. MILITARY Any military Base, Field, installation, camp.. UNKNOWN. Area-type cannot be determined from the source. ROADS/RAILS: On the highway (NOT streets) or Railroad, generally between towns, where none of the above clearly apply.

ATTRIBUTES: Use the [F1] HELP option and see APPENDIX II for tips on these important fields. Light as many sighting-attributes as apply. Reserve ODD for truly unusual observations (ALL UFO sightings are odd, after all). Any strong indication of Dimensional Anomalies deserves an ODD attribute. Reserve TCH for NEW technical clues as to the operation of UFOs, or alien technology in general Active (valid, attributes are lit up with blue. Use Arrow keys with [Insert]/[Delete] to select or deselect OR, use mouse with LEFT/RIGHT button to select/deselect.

STRANGENESS: 0-F in hexadecimal} In effect, a highly subjective evaluation of the event strangeness. A=10 . F=15 decimal.

CREDIBILITY: (0-F hex) Likewise, highly subjective. For Strangeness and Credibility. Start with a rating of 6. Add or subtract points according to the text Credibility increases with added witnesses, especially scientists or other well trained reliable observers.

REFERENCE: See APPENDIX VI now. If your source is not listed, use reference # 96,97,98 or 99 as applies. Only our programmers can change the Reference List.

PAGE NUMBER: (0-999) The actual page within the reference above Use the page number in YOUR copy For the MUFON Journal and UFO Newscipping Service etc. enter the Issue Number in Page # field.

NOTE: There is an absolute limit of 15000 sightings at present due to DOS Segmented Memory restrictions.

DELETING RECORDS: The [Delete] key does only one thing when you are in the EXAMINE mode. DELETE takes the current Active Record, and changes the YEAR field to the year 3000 (instead of 1954 or whatever it used to be.) This means 3 things:

- a) You can UNDELETE by simply putting back the correct year. Do this RIGHT AWAY, or the record may be over-written and lost.
- b) IF you SORT the database (using REBUILD option in UFIX.EXE) This record will be sorted to the bottom of the file, based on Date. It may be difficult to determine the original year..
- c) IF you [Insert] a new record, it will overwrite the first Deleted record it finds; all old data are lost!

In summary, DELETE simply MARKS a record as "OK TO OVERWRITE"

A MODEST REQUEST to UFO RESEARCHERS:

I cannot list UFO sightings unless I have a useable DATE and LOCATION. This enables other workers to track sightings and theorize possible trajectories etc. When available, the time of day should be noted as accurately as the data allows.

I'm sure you know that the day-of-the-month clicks-over at midnight, along with the day of the week. Others apparently don't.

Please specify the Province in Canada, the Department in France, etc. San Miguel, Mexico is not a place, it is a scatter-graw. The Canadians don't know how many Beaver Creeks there are. There must be several in each province. A creek isn't even a point. Its a meandering line.

It took years to find "Telephone Ridge, Oregon". My many maps, atlases and even the USGS National Gazetteer of the United States don't list it. [Telephone Ridge, Oregon is in Idaho.]

A good rule of thumb: If YOU can't find a place on an ordinary state map, others can't either. Longitude and latitude, are unambiguous.

It is all too easy to drop important little bits of information. It is sheer drudgery to retrieve them, sometimes impossible.

On a lighter note: One writer reported an Australian case where ranchers saw a UFO while they were "marking" sheep. [Apparently this means branding the animals, or painting bright colors on their sides so they don't get hit by passing cars in the fog, like they do in Ireland.]

Another writer faithfully reported the case in a book, but a misprint or typo had the men out "making" sheep. Later books, more than one, all have the Australians "making sheep" in the outback. Tsk tsk.

Search limits restrict which records are drawn from the database when you do a File Search, Statistics Functions / File Exports or show Map Graphics displays.

Each Restriction EXCLUDES some records. Setting many restrictions will leave few if any valid records for displays. ONLY records that pass ALL LIMITS you impose will be displayed, counted or printed.

From MAP DISPLAYS enter [S][L] to call the Search Limits routine.

Statistics and Data searches automatically invoke search limits. To AVOID setting set search limits, simply press [ESC] on the first query: "LIMIT SEARCH BY YEAR? [Y][N]. "

You can press [ESC] at any point in the Search Limits routine to avoid imposing further limits. This saves time.

Query #1) SEARCH/DISPLAY BY DATE? [Y][N]
 Y=Yes N=No. use arrow key and press [ENTER] -or-
 press [Y] or [N] key -or- click Mouse on [Y] or [N]
 Press [ESC] for NO SEARCH LIMITS AT ALL (i.e. use entire database).

If you select [Y] you will be asked for Beginning Year and Month, and Ending Year and Month. Ending date must be later than beginning.

ALL RECORDS that DO NOT fit into this time-frame are REJECTED.

Query #2) SEARCH by ATTRIBUTES? [Y][N]
 Select Yes or No as above. [ESC] terminates setting Search Limits.
 IF you select [N] you go to Query #3
 IF you select [Y], you are asked USE REVERSE ATTRIBUTES?
 Ordinarily you would select NO.

Then you enter Attributes by Highlighting them on the Attributes Matrix on screen upper-left. You can select as few or as many as you want. Press [F1] for help on keystrokes here.
 To PASS this Search-Limit, each record in the database must have at least ONE matching attribute.

IF you select [Y] (Reverse Attributes), you still enter attributes, but the Attributes Cursor is now in RED.
 To PASS this search limit in REVERSE, all records containing ANY selected Attribute are REJECTED. Only those records having NO matching attributes pass.

Query #3) LIMIT SEARCH by PHRASE? [Y][N]
 [N] Omits this restriction, goes to Query #4.
 [ESC] Omits this and any subsequent search-limits.
 [Y] You are asked to enter a "search-phrase" (up to 12 characters).
 Enter any combination of letters, numbers or spaces.
 End with [Enter] (carriage return)
 Records with the search phrase are passed, All others rejected.

NOTE: Text Search is CASE-INSENSITIVE, by default. "Omaha" is a valid match for "OMAHA", and the record will be pass. For a CASE-SENSITIVE search, hold down the [Alt] key and press [C]. ALT C toggles back and forth between CASE SENSITIVE and INSENSITIVE.

The search routine looks into TWO fields, in every record, for a matching string of characters the 78-character Synopsis field, and the 3 character STATE/PROVINCE field. Thus, if you look for UTA, you will get every record in UTAH, plus typical words like (power) OUTAge, cities in Zimbabwe etc. Search phrases with 4 or more characters will not find anything in the 3-character STATE/PROV. field of course. To LIMIT 2 or 3 character search phrases to the Synopsis field, ADD the 3 character at the end. For example, UTA3 will find MUTAre, Zimbabwe but ignore UTAH. Similarly; to limit your search to the STATE/PROVINCE field, the 4th (and final) character must be the caret symbol ^ (a shifted 6-key on the alpha keypad). A search for UTA will find only reports from UTAH, unless there is a UTA-code for some foreign political subdivision. These are avoided by using the [U] (USA) hotkey when queried for Continent/Country.

Query #4a) LIMIT by CONTINENT? [Y][N]

[N] Skips this restriction.

[ESC] Terminates search-limit setting.

[HOTKEYS] select Continents and/or Countries and Terminate Search-Limit entry. The Search/display begins immediately for speed

Press [F1] HELP here for a list of Hotkeys.

Some typical Hotkeys are U = USA; C = Canada; G = Great Britain,

D = Australia (Down under); E = Western Europe; F = France;

B = Brazil; A = All North America; J = Japan; S = Spain;

X = Mexico; R = Argentina; I = Italy ... etc.

[Y] You will be shown a list of 12 "Continents", global regions actually. You select ONE by number.

Query #4b) IF and ONLY if you select a Continent, you are asked
LIMIT by COUNTRY? [Y][N]

IF you select [Y] you are given another list to choose from.
The "Country" list is different for each "Continent".

ONLY records for selected Continent and/or Country pass this test.

Query #5) LIMIT by ENVIRONS/AREA? [Y][N]

[N] Skips this restriction. Usually you skip this.

[ESC] Terminates search-limit setting

[Y] You will be given a list of "environments" (Land, Sea, Air, Space, Road and Rails etc.) SELECT ONE by number. All others are rejected

Query #6) LIMIT by STRANGENESS -and-

Query #7) LIMIT by CREDIBILITY

IF either is selected [Y], you are asked for lower and upper limits for Strangeness and/or Credibility. Range for both is 0-F (hexadecimal) equivalent to a scale of zero to fifteen.

Records WITHIN your selected range are selected, others rejected.

Query #8) LIMIT by COORDINATES?

IF selected, you are asked for WESTERN and EASTERN LONGITUDE limits, then NORTHERN and SOUTHERN Latitude limits. Only sightings falling within these coordinates are selected. This is not often used. You will also be asked Internal (the default, or External. External will pass only those sightings OUTSIDE of your coordinates perimeter.

Query #9) LIMIT by REFERENCE NUMBER?

IF selected, you will need a reference number handy. See APPENDIX VI below for a list of References with their respective numbers.

Query #10) LIMIT by DATE-TIME ACCURACY?

IF selected you set a Lower limit on the accuracy for Year, Month, Day and time fields: (3=known, 2=approx. 1=unknown, 0=irrelevant) ONLY records that meet or exceed ALL FOUR lower limits will pass. You respond with a 0,1,2 or 3 key for each field.

Query #11) SELECT SPECIFIC HOURS? (Y/N)

If you select No, DATA SEARCH, STATISTICS or MAP DISPLAY begins immediately.

If you select Yes, you will be asked for Starting HOUR, Starting MINUTES (round off to 10-min. increments), and Ending hour and minutes.

If your ending time is before your starting time (e.g. from 2230 to 0240) the program will accept this assuming you want sightings between 1030PM and 0240AM on following days, i.e. night sightings clustered around midnite.

Use UP-ARROW key to go back and correct any erroneous entry.

NOTE that these search limits may be applied in exactly the same way for Flat Maps, Trig Maps, Layered Maps (individually for each layer), File dumps to screen or printer, Statistics functions including Bar-Chart/Histograms, and Files Export.

ALSO please note that NONE of these Maps and other functions REQUIRE any search limits; it is up to you. If you set too many limits, or any given search limit too "tightly", you will find little or nothing

APPENDIX II:

ATTRIBUTES MNEMONIC CODES.

These 3-letter codes generally stand for common features of UFO sightings as reported in the UFO literature (books, magazines) and elsewhere.

An attribute is TRUE (blue background) if it applies to the Windowed Record in the Database Text Display. Otherwise the Attribute does NOT apply and has a BLACK (invisible) background.

From Left to Right starting with the Top Row:

Row #1 mainly refers to location of the observer. (exception = MAP)

MAP: Coordinates are known. If MAP is not active, the event will not be shown on MAP displays.

GND: The sighting was on or over terra firma, rather than the oceans.

CST: Sighting in coastal area, possibly just offshore.

SEA: Sighting was at sea. (Usually from a boat, ship or submarine.).

AIR: Airborne observer. Pilot, Passenger, Airliner chased or paced by UFO

MIL: At least ONE observer was military.

CIV: At least ONE observer was civilian.

HQO: High Quality observer(s) Scientists, Engineers, Policemen Others trained to be highly observant. A group of 3 or more ordinary people with consistent descriptions.

Row #2 is miscellaneous details and features.

SCI: A scientist (astronomy, physics etc) was involved somehow, as an observer or investigator. Also: Scientific tests of traces.

TLP: Telepathy Voiceless communication. Often reported during Abductions. Not necessarily ESP. Possible new communications technology

NWS: Report from the news media, or else "sighting made the news".

MID: Possible Mis-Identification of an ordinary object: (Venus, moon...)

HOX: Suspicion or indications of a HOAX. Need not be a definite hoax

CNT: Contactee. (Highly subjective) 1) Report from a would-be Cult Leader. 2) Repeat Abductee with "messages for mankind".

ODD: Oddity: 1) Any very strange event, even if not directly UFO related 2) An atypical oddity that occurred during a UFO event.

WAV: Wave or Cluster of UFO sightings. Any Record that is part of a wave. 3) A catch-all category for the unexpected OTHER than a UFOs/Aliens

Row 3 is for Type of UFO seen.

SCR: Classic Flying Saucer, Ovoid or sphere seen. Not just some light.

CIG: Torpedo, cigar, fuselage or cylinder shaped vehicle (Use SCR for a classic "saucer" seen edge-on.)

DLT: Delta, Vee, boomerang, or rectangular craft. Sharp corners and edges.

NLT: Nightlights: Light(s) seen, but no discernable shape

PRB: Probe: Small weird object flies/maneuvers. Remote controlled craft

FBL: Fireball: Ball lightning, or object enveloped in plasma at a distance.

SUB: Submersible: UFO seen to rise from, or dive into waters. Some report discs emerging from the water and flying off at high speeds

NFO: No UFO Craft actually BEEN. Their presence might be hypothesized due to traces and other factors. Nevertheless use NFO if unseen.

Row 4 classifies possible alien beings

GID: Humanoid: 3' 3" grey alien or simply "A grey"
 Examples often depicted on racy Abduction book covers

ABT: Possible Robot: Often looks like a Grey. Mechanical body movements.

PSH: 1) Pseudo-Human: Possible clone, robot or worse.
 2) "Human" seen working with or for alien figures

MIB: Man-in-Black. 1) PSH which tries to pass self off as human.
 2) Mysterious man who tries to suppress UFO reports.

MON: Monster. Apparent life form fits no standard category.

GNT: Giant Apparent alien larger than most humans.

FIG: Undefined or poorly seen "figure" or moving entity A shadow

NOC: No Occupant SEEN by UFO observer. (not necessarily absent..)

Row 5 = Apparent or Presumed activities of UFO and/or occupants.

OBS: Observation: Surveilling. Chasing/pacing vehicles

RAY: Odd light RAY, searchlight or unknown visible beam Anything laserlike.

SMP: Sampling: Plant, animal, soil, rock or other specimen. Tissue samples.

MST: Missing Time. Observer cannot account for an hour Big abduction signal.

ABD: Known/suspected human abduction. Animals also if taken whole

OPR: Operations on humans Animal Mutilation Any invasive surgery.

SIG: Radio, Lights or other indication of possible signalling to or from
 a UFO and/or the UFO occupants

CVS: Conversation: ANY means of communication between "us" and "them",

Row 6 is for Physical Traces, or type of place "visited"

NUC: Any nuclear facility. Atomic power plant Military. Research facility.

DRT: Dirt affected: Traces in soil. landing marks, footprints etc

VEG: Plants affected or sampled. Broken tree limbs Crop circles.

VI: Animals affected involved: Panic Change of behavior Injuries Marks.

HUM: Human affected: Injury, burns, marks, psychological abduction death

VEH: Vehicle affected involved: Marks, burns, electro-magnetic (EME) effects.

BLD: Building or ANY MANMADE STRUCTURE involved or affected: Roads. Bridges
 Silos. Power lines or stations.

LND: Apparent Landing UFO (or any part thereof) sets down.

Row 7 indicates effects reported and/or evidence found

PHT: Photos, movies or videos taken of UFO and related phenomena.

RDR: Anomalous Radar traces/blips corresponding to UFO sightings

RDA: Radiation or high energy fields detected during or after sighting.

EME: Electro-Magnetic Effect: Car, radio, lights or instruments malfunction.

TRC: Physical traces discovered, most any type correlating to sighting

TCH: Technical details in source reference New clues to alien technology

HST: Historical account OR sighting makes history.

INJ: Wounds, scars, burns etc left as apparent result of close encounter.
 Resulting sickness or death. Animal mutilation.

Row 8 is for details of investigation or governmental involvement.

MIL: Military investigation: Covert or open. Bluebook. AFOSI

BBK: US Air Force BLUEBOOK case, regardless of finding.

FBI: FBI involvement in any way.

CIA: CIA involvement in any way.

NSA: NSA involvement in any way.

DGA: Other Government Agency involvement, or foreign intelligence

OV: Any evidence or indication of official Coverup.

MP: Camouflage Apparent attempts of UFO or alien to hide or disguise
 itself in any way: e.g. cloud cigars, flying buses or haystacks..

"CONTINENTS" are actually global regions, for purposes of dividing the globe into into convenient areas.

"COUNTRIES" may be actual countries, or small groups of nations lumped together e.g. BNL = Benelux = Belgium, Netherlands and Luxembourg. SCN = Scandinavia. Norway, Finland, Sweden and Denmark. GBI is Great Britain and Ireland individual countries (England, Scotland, Wales and Ireland) are set in the STATE/PROVINCE field.

NOTE: These codes are NOT the same ones used to call MAP displays. These are used only in the CONTINENT and COUNTRY fields to classify UFO sightings in file searches.

"Continents" and "Countries" are identified by 3-letter Codes as follows:

NAM: NORTH AMERICA: Actual Continent including Central America.

CAN= Canada. USA= U.S.A. MEX= Mexico. GUA= Guatemala.
BLZ= Belize. HON= Honduras. ESL= El Salvador. NIC= Nicaragua.
CRC= Costa Rica. PNM= Panama.

SAM: SOUTH AMERICA: Actual Continent.

BRZ= Brazil. PRG= Paraguay. URG= Uruguay. ARG= Argentina.
CHL= Chile. BLV= Bolivia. PRU= Peru. ECD= Ecuador.
COL= Colombia. VNZ= Venezuela. GUY= Guyana (all 3 of them together).

OCN: OCEANIA: AUSTRALIA / NEW ZEALAND and the great Oceans.

AUS= Australia NZL= New Zealand ATL= Atlantic Ocean + islands
PAC= Pacific Ocean and non-Asian islands CRB = Caribbean area.
IND= Indian Ocean + islands. area ARC= Arctic above 70 degrees North
ANT= Antarctic below 70 degr South ICL= Iceland. GRN= Greenland.

WEU: WESTERN EUROPE

GBI= Great Britain and Ireland. SCN= All Scandinavian countries
GER= Germany. BNL= Belgium, Netherlands and Luxembourg.
FRN= France SPN= Spain PRT= Portugal AUS= Austria.
ITL= Italy. SWZ= Switzerland GRC= Greece.

EEU: EASTERN EUROPE: Former communist states.

POL= Poland. CZK= Czech and Slovak Republics HNG= Hungary
YUG= All former Yugoslav Nations RUM= Romania. BLG= Bulgaria.
ALB= Albania. ELL= Estonia, Latvia & Lithuania. BLR= Belarus.
UKR= Ukraine.

ASM: ASIA MAINLAND: All mainland except Vietnam, Cambodia and Laos.

CHI= Red China. MNG= Mongolia. IND= India. PAK= Pakistan
AFG= Afghanistan HML= Himalayas= Nepal, Bhutan, Shungrila etc.
BNG= Bangladesh BUR= Burma KOR= Korea (both sides)

ASP: ASIA PACIFIC: Island nations & parts of Southeast Asia.

JPN= Japan. PHL= Philippines TWN= Taiwan China VTN= Vietnam.
LAO= Laos. CMB= Cambodia TAI= Thailand. MLY= Malaysia
INS= Indonesia. Small remote islands are under OCN (Oceania)

APPENDIX III- CONTINENT/COUNTRY MNEMONICS CODES (cont.)

AF- NORTHERN and NW AFRICA- North of the Equator.

EGY= Egypt. SUD= Sudan. ETH= Ethiopia. LBY= Libya.
 TUN= Tunisia. ALG= Algeria. MRC= Morocco.. SAH= Sahara Desert.
 [SAHara includes Chad, Niger, Mali, Mauritania and Upper Burkina Faso]
 IVC= Ivory Coast, Ghana, Togo, Benin, Liberia etc. NGA= Nigeria

SAF SOUTHERN AFRICA: Generally on or South of the Equator

RSA= Rep of S A. ZMB= Zimbabwe & Zambia (Rhodesia) ANG= Angola
 KHD= Kalahari Dart Botswana etc. MZB= Mozambique. TNZ= Tanzania.
 UGN= Uganda. KNY= Kenya. SML= Somalia. CNG= Congo states
 IVC= Ivory Coast, Ghana, Togo, Benin, Liberia etc. NGA= Nigeria
 (CNG includes Congo, Zaire, Central Afr Rep, Rwanda, Burundi.)

SOV: RUSSIA and FORMER SOVIET STATES except Baltics, Ukraine & Belorus

RUS= Russia GEO= Georgia ARM= Armenia. AZR= Azerbaijan
 KZK= Kazakh Rep. TKM= Turkmen Rep UZB= Uzbek Rep TDZ= Tadzhik Rep.
 [Russia includes various ethnic Okrugs, all within the former RSFSR]

MDE. MIDDLE EAST: Turkey, Israel, Iran and Arabic speaking lands.

TRK= Turkey. SYR= Syria. IRQ= Iraq. IRN= Iran
 JRD= Jordan. ISR= Israel. ARB= Arabian Peninsula (not Kuwait)
 KWT= Kuwait. CYP= Cyprus. LEB= Lebanon.

SPC: SPACE Anywhere outside of Earth s Atmosphere

ORB= Earth Orbit. Space stations, capsules. Astronauts & Cosmonauts.

APPENDIX IV: STATE, PROVINCE Entries: Some Notes

In cases where "Countries" are Lumped together (Britain & Ireland, African Sahara or Congo, Baltic states etc) the STATE/PROVINCE field is used for the actual Country. This field is limited to 3 Alfa characters. Examples: LAT for Latvia, ZAI for Zaire, BLG = Belgium.)

For USA, Canada and Mexico enter code for STATE, PROVINCE or TERRITORY. In Central America, abbreviate the nearest large city
South America: Use Brazilian states, Argentine Provinces, and the like in other countries, where possible.

States in the USA have very NON-INTUITIVE STATE codes. This makes them unique for file search purposes. Some examples are-

ALS = Alaska.	CLR = Colorado	CNN = Conn.	HWI = Hawaii.
IOW = IOWA.	MNT = Montana	MSC = Mass	MSO = Missouri.
MSP = Miss.	NBR = Nebraska	NCR = N.Carolina.	NDK = N Dakota.
OHIO = Ohio	ORG = Oregon	SCR = S.Carolina	SDK = S Dakota
UTA = Utah.	VRG = Virginia	WVA = W Virginia	WSH = Washington

Mexican States are similarly coded. SNL=Sinaloa. BCA= Baja Calif

Canadian Provinces:	ALB = Alberta	BCO = British Columbia
MTB = Manitoba	NBR = New Brunswick	NFL = Newfoundland.
NSC = Nova Scotia	NWT = NW Territories	ONT = Ontario
QBC = Quebec	SSK = Saskatchewan	YUK = Yukon
PEI = Prince Edward Island.		

EUROPE: In France abbreviate the Department.
With over 90 French Departments, the exceptions are too numerous to list. Nevertheless they are consistent, and H&M (Meurth-et-Moselle) events will all Map to the same region in N.E. France for example.

Germany: the State.

Benelux: Enter the country. Spain, Portugal, Italy use the Province
Britain/Ireland enter the "Country" IRL, NI, SCT, WAL, ENG

Australia: Use the State. (QLD=Queensland. WAU= Western Austr. etc.,)

For countries without clear subdivisions, use nearest major city or enter UNK for unknown.

APPENDIX V: SYNOPSIS (text) FIELD. Abbreviations and Acronyms.

The Synopsis Field is 76 alpha characters. Basically, "What happened". Space limitations demand extremes of abbreviation and acronym. The following conventions are used:

/	: ANY preposition: of, for, from, in, according to..		
<>	: Between (2 places)		
>> or>	: Between (2 places) going toward 2nd.		
__+*	: __ and more. __ to the max.		
100s/	: Hundreds of __		
2x, 3x	: Twice, three times..		
nnK'	: nn Thousand Feet (Altitude).		
@	: At		
(Arrows)	: Straight up/down.	(AP)	: Associated Press (news agency)
(UPI)	: United Press Internl	AA	: American Airlines
AAF	: Army Air Force (to 1948)	AB, AAB	: Airbase, Army Air Base
ACRS	: Across.	ABS	: Absolute(ly)
ADC	: Air Defense Command.	AEC	: Atomic Energy Commission
AF	: Air Force (any country)	AFB	: Air Force Base.
AFOBI	: USAF Office of Special Investigation		
AL	: Airline(s), Airliner.	ALLO	: All Over __.
ALT	: Altitude. Alternats.	AM. __	: Amateur __.
APRX	: Approximate(ly)	ATC	: Airport Air Traffic Controller.
ATIC	: USAF Tech. Intel Center	ATL.	: Atlantic Ocean.
Bnn	: Bomber (nn= some number)	BBKS__	: Bluebook: Case #__
BINOCs	: (seen thru) Binoculars.	BLK	: Black
BRT	: Bright. Brilliant.	BTWN	: Between.
CAA	: Civil Aviation Agency	CCL	: Country Club Crop circle
Cd, Cd	: Ciudad (City in Spanish.)	CDO	: Cote d'Or (French Department)
CE2, 3	: Close Encounter/2nd, 3rd	CF	: Can't Find on Maps/Atlases
CGR	: Cigar or cylinder object.	CLR	: Color / Colored. Clear.
Co, co	: County.	, CO	= Colorado.
COORDS	: Coordinates: Longitude/Latitude		
CMCL	: Commercial (aircraft)	CNVL	: Conventional
CPT	: Captain.	CTR	: Center.
CYL	: Cylinder. Cylindrical.		
degr	: Degrees. (Temp or coordinates)		
DR, DIR	: Direction.	DTL	: Detail(s) as in NO DETAIL
DUR	: Duration.		
EAL	: Eastern Airlines	E. E/	: East East of __
ENCY.	: UFO Encyclopedia (BOOK)	F#s	: Fighter plane.
FBL	: Fireball.	FCL	: Facility. Installation.
FLT	: Flight.	FR	: France.
GMT	: Greenwich Time (UCT) 1300z is 1:00PM GMT		
GND	: Ground.	GRN	: Green.
GOC	: Ground Observer Corps.		
HIV	: High Voltage/Tension (power lines).		
HVR	: Hover.		

APPENDIX V: SYNOPSIS FIELD ACRONYMS (cont)

INC Including. Include.
 Inn : Interstate Route #nn. NOT a US highway or State Route.
 INV Investigation, investigators.
 KM, km : Kilometer(s). 1km = 0.62 miles.
 Lk Lake LL - Longitude & Latitude coords.
 LOC Location. LRG : Large
 LUM : Luminous. Glowing LVS : Leaves (something behind)
 Mg/Mag Passport to Magonia, by Jacques Vallee. 1993 reprint page nos
 MATS : Mil. Air Transport Svc MFJ# : MUFON JOURNAL Issue #
 MIB : Man in Black. MJ, MJ12 : Majic, Majestic-12 Grp
 Monst : Monument. MNVR : Maneuver.
 MSP : MUFON Symposium Proceedings : MTL, MTLC . Metal Metallic
 N, N/ : North. North of _ NE, NW : Northeast, Northwest
 NLT Night Light. nn, nan: ANY 2 or 3 digit number
 ##h : ##:## hours (24-hr clock)
 N>S : from North to South. (Other trajectories likewise)
 NP : Not Plotted on maps. (Historical note or space event)
 NPC NPAC : Northern Pacific. NR nr : Near (to)
 O.O/_ : Out of [whatever] OBJ : Object UFO
 OBS : Observer s) ORB : Orb or Globe (as seen).
 ORG : Orange in color. OVR : Over / Above.
 PIX : Photographs POSS : Possible _
 PRnn : Canadian Provincial Highway number nn
 PRV GNDS -or- PG: Proving Grounds. PRV WINDS : Prevailing Winds.
 PSH : Pseudo Human . MIB? PVT : Private (rank or property)
 QF : Former CF listing after extensive search OK to delist.
 RAF : British Royal Air Force. RAAF : Australian Air Force.
 RBT : Robot. RDR(s) : RADAR(s)
 RECT : Rectangular-Box shaped. RPT : Report
 RR : Railroad. Railway. RVS : (in) Reverse.
 S. S/ : South South of _ S&L or S/L : Straight & Level flight
 SCI : Scientist. Science SE, SW : Southeast, Southwest
 SEP : Separate (observers etc) SLMT : Silent.
 SPHR : Sphere. SPD : Speed / Velocity.
 SPN : Spain SRnn : STATE Route #nn. NOT a US Hwy
 SS : Steamship. STRT : Straight, Strait(s)
 SVRL : Several. SVRL/BASE : Several on (all) Base .
 TCH : Trans-Canada Highway. TRC : Physical trace(s)
 TSCOPE: (seen thru) Telescopes. TWA : Trans-World Airlines.
 TWRD : Toward(s) UAL : United Airlines.
 UC# : UFOCAT Record #____
 UID : Unidentified (Bluebook) UK : United Kingdom British
 UNK : Unknown. USnn : US Highway #nn. NOT Interstate.
 VERT : Vertical. VFAST : Very Fast. V ____ = Very ____
 VIS : Visual (observation) W/_ : WITH ____ . WO/_ : Without ____
 WTNS : Witness. Observer W. W/ : West. West of ____
 X : Times. 5X= 5 times

Bioerher Reference 87 (94) to case number
 F&F Flying Saucer Review, British FO Journal
 IPS The SOBEPs (NE REPAK) Journal, reference #186
 IUP International UFO Reporter (IROS) FO Journal
 LDEN : French Journal "Lumieres dans la Nuit"
 NRC : National FO Reporting Center Seattle.
 SOBEPs Belgian Space Phenomena (S) Society
 NS : The (F) Newscipping Service (ref. #60)

APPENDIX VI:

REFERENCES LIST:

Use the numbers at left for File Searches by Reference.

NOTE. This list is subject to renumbering as new sources are added.
Sources are numbered in no particular order.

- | | | | |
|----|--|-----------------------------|---------|
| 0 | HYNEK, J. Allen: UFO EXPERIENCE-A Sci. Inquiry | Ballentine Books | 1972 |
| 1 | HYNEK, J. Allen & IMBROGNIO, Phil NIGHT SIEGE: | Ballentine | 1987 |
| 2 | VALLEE, Jacques: UFOS IN SPACE Anatomy of a Pheno | Ballentine | 1965 |
| 3 | VALLEE, Jacques: UFO ENIGMA: Challenge to Science. | Ballentine | 1966 |
| 4 | VALLEE, Jacques: DIMENSIONS (Casebook/Contact). | Ballentine | 1988 |
| 5 | VALLEE, Jacques: CONFRONTATIONS A Scientists Search | Ballentine | 1990 |
| 6 | VALLEE, Jacques. REVELATIONS Contact and Deception | Ballentine | 1991 |
| 7 | VALLEE, Jacques: MESSENGERS of DECEPTION | Bantam Books | 1979 |
| 8 | VALLEE, Jacques: PASSPORT TO MAGONIA 1969/ | Contemporary Books | 1993 |
| 9 | VALLEE, Jacques: UFO CHRONICLES of the USSR | Ballentine Books | 1992 |
| 10 | SPENCER+EVANS eds: PHENOMENA 40 YEARS of FLYING SAUCERS. | Avon | 1988 |
| 11 | SPENCER, John The UFO ENCYCLOPEDIA. | Avon | 1991 |
| 12 | FOWLER, Raymond The ANDREASSON AFFAIR | Prentice Hall/Bantam | 1979 |
| 13 | FOWLER, Raymond The WATCHERS (Betty Andreason/Luca) | Bantam Books | 1990 |
| 14 | HYNEK, J A & VALLEE, J. The EDGE of REALITY. | Henry Regnery | 1975 |
| 15 | RANDLE & SCHMITT UFO Crash at ROSWELL | NY Avon Books | 1991 |
| 16 | HOPKINS, Bud. MISSING TIME | Ballentine Books | 1988 |
| 17 | HOPKINS, Bud: INTRUDERS (Copley Woods) | Ballentine Books | 1987 |
| 18 | BTURROCK, Peter REPORT on AMERICAN ASTRONOMICAL SOCIETY SURVEY | | 1977 |
| 19 | STEIGER, Brad FLYING SAUCERS ARE HOSTILE. | Award Books | 1967 |
| 20 | STEIGER, Brad: The UFO ABDUCTORS. 214pp | Berkley Books | 1988 |
| 21 | STEIGER, Brad: PROJECT BLUEBOOK | Ballentine Books | 1976 |
| 22 | BERLITZ & MOORE The ROSWELL INCIDENT | Putnam/Berkley Books | 1988 |
| 23 | BERLITZ, Charles: WORLD of STRANGE PHENOMENA | Fawcett Crest | 1988 |
| 24 | FULLER, G INTERRUPTED JOURNEY (B&B Hill) | Dell Publishing | 1966 |
| 25 | KALL, Richard UNINVITED GUESTS 381pp | Aurora Press Santa Fe, NM | 1988 |
| 26 | FAWCETT & GREENWOOD: UFO COVERUP 259pp | Prentice Hall | 1984 |
| 27 | FLAMMONDE, Paris The AGE of FLYING SAUCERS | NY, Hawthorne Books | 1971 |
| 28 | FLAMMONDE, Paris UFO EXIST 480p+index | Ballentine Books | 1976 |
| 29 | RUPPELT, Edward J. The REPORT on UFOS | Doubleday & Co | 1955 |
| 30 | FIGEUT&RUCHON OVNI Le Premiere Dossier. | Alain Lefevre, Paris | 1979 |
| 31 | RUTLEDGE, Dr Harley D. PROJECT IDENTIFICATION | Prentice Hall | 1981 |
| 32 | DRUFFEL, A. & ROGO, S : The TUNJUNGA CANYON CONTACTS | Signet | 1988 |
| 33 | EMENEGGER, R.: UFOS PAST PRESENT-FUTURE | Ballentine Books | 1974 |
| 34 | BLUNDELL & BOAR. WORLDS GREATEST UFO MYSTERIES | Berkley Books | 1990 |
| 35 | WILSON, Clifford The ALIEN AGENDA | Penguin/Signet | 1974 |
| 36 | LINDEMANN, Paul ed & VIEWPOINTS Santa Barbara, CA | The 2020 Group | 1991 |
| 37 | CONDON, Dr Edward SCIENTIFIC STUDY of UFOS. | Bantam Books | 1969 |
| 38 | HUNT, Gerry: BIZARRE AMERICA. (oddities) | Berkley Books | 1988 |
| 39 | KLASS, Phil: UFOS EXPLAINED (cases debunked) | Vintage Books | 1974 |
| 40 | CUFON BBS: UFO REPORTING SERVICE | Seattle, WA | Ongoing |
| 41 | BLUM, Howard: OUT THERE ("UFO Working Group") | Simon & Schuster | 1990 |
| 42 | SALISBURY, Frank B. The UTAH UFO DISPLAY | Devin-Adair | 1974 |
| 43 | STRICKLAND. EXTRATERRESTRIALS ON EARTH | Grosset & Dunlap, NY | 1977 |
| 44 | SANDERSON, Ivan. INVISIBLE RESIDENTS | World Publishing 1960, Avon | 1970 |
| 45 | SANDERSON, Ivan: UNINVITED VISITORS | Cowles Educational Corp | 1967 |
| 46 | KEHOE, Maj Donald: FLYING SAUCERS-TOP SECRET | G.P Putnam Sons | 1960 |

REFERENCE LIST SOURCE NUMBERS (cont.)

- 47 KEHOE, Maj Donald: ALIENS FROM SPACE Doubleday & Co 1973
- 48 MICHELE, Aime The TRUTH ABOUT FLYING SAUCERS Phillipe/Pyramid 1956
- 49 MICHELE, Aime F.S & the STRAIGHT LINE MYSTERY. Criterion Books 1958
- 50 BALLASTER-OLMOS/CUFOS CATALOG of UFOs in SPAIN & PORTUGAL. CUFOS 1976
- 51 ZEIDMAN/CUFOS: The LUMBERTON REPORT. (N.Carolina) CUFOS 1976
- 52 FULLER, John G ALIENS IN THE SKIES. Putnam-Berkley 1969
- 53 HOLZER, Hans THE UFO-NAUTS Fawcett Gold Medal 1976
- 54 MUSGRAVE, John: UFO OCCUPANTS-CRITTERS Amherst Press 1979
- 55 HYNEX, J A : THE HYNEX UFO REPORT Dell Publishing 1974
- 56 UFOCAT CATALOG: BLUEBOOK UID to 1969 (Computer Printout)
- 57 UFOCAT CATALOG: 1986-1990: UCxxxxx (Computer Printout)
- 58 GINDILIS et al: UFO OBSERVATIONS in the USSR. CUFOS 1980
- 59 SCIENCE & MECHANICS OFFICIAL GUIDE to UFOS Ace-Star 1968
- 60 UFO NEWSCLIPPING SERVICE (page number given is ISSUE #) (Monthly,
- 61 STRIEBER, Whitley COMMUNION Avon Books 1987
- 62 STRIEBER, Whitley. TRANSFORMATION Avon Books 1988
- 63 NATIONAL ENQUIRER UFO REPORT (1985) Pocket Editions 1985
- 64 DAVID, JAY ed: FLYING SAUCERS have ARRIVED ----
- 65 DAVID, JAY ed: The FLYING SAUCER READER New American Library 1967
- 66 SAGAN & PAGE eds: UFOS & SCIENTIFIC DEBATE Cornell Univ. Press 1972
- 67 BOWEN, Charles ed THE HUMANOIDS. Neville Spearman, London 1980
- 68 STEIGER, Brad STRANGERS from the SKIES Award Books 1966
- 69 BLUM, Ralph & Judy: BEYOND EARTH Bantam Books 1974
- 70 CHAMBERS, H : UFOS FOR THE MILLIONS. Los Angeles, Sherbourne Press 1967
- 71 SACHS, Margaret: UFOS & SPACE TRAVEL Penguin Books 1977
- 72 WHITE, Dale: IS SOMETHING UP THERE? Doubleday/Scholastic 1966
- 73 EDWARDS, Frank FLYING SAUCERS HERE AND NOW. Stuart, Bantam Books 1967
- 74 EDWARDS, Frank: FLYING SAUCERS SERIOUS BUSINESS Bantam Books 1966
- 75 EDWARDS, Frank STRANGE WORLD Carol Paperbacks 1962/1992
- 76 ANDREWS, George C. EXTRA-TERRESTRIALS AMONG US Llewellyn Publ 1992
- 77 CRYSTAL, Ellen. SILENT INVASION NY Paragon Press 1991
- 78 LOFTIN, Robert: IDENTIFIED FLYING SAUCERS David McKay 1968
- 79 RODEGHIER, Mark: UFO REPORTS of VEHICLE INTERFERENCE CUFOS 1981
- 80 RANGLES, Jenny: UFO CONTACTS and ABDUCTIONS. Sterling Publ. NY 1994
- 81 RANGLES, Jenny: FROM OUT OF THE BLUE Berkley Books 1993
- 82 RANGLES, Jenny: FLYING SAUCERS & HOW TO SEE THEM ----
- 83 FOWLER, Ray. UFOS-INTERPLANETARY VISITORS Bantam Books 1979
- 84 HOBANA & WEVERBERGH. UFOS from BEHIND THE IRON CURTAIN Bantam 1975
- 85 LESLIE, D & ADAMSKII, G: FLYING SAUCERS HAVE LANDED. British Books 1963
- 86 ROGO, D Scott editor: ALIEN ABDUCTIONS. Signet/Penguin 1980
- 87 RANGLES, Jenny. ALIEN ABDUCTIONS Inner Light Publications 1988
- 88 RANDLE, Kevin: The OCTOBER SCENARIO (i.e. 1973) Berkley Books 1988
- 89 RANDLE, Kevin: The UFO CASEBOOK Warner Books 1989
- 90 GIBBONS, Gavin: The COMING of the SPACE SHIPS. Neville Spearman 1956
- 91 GENERAL KNOWLEDGE (various) 92 TV/RADIO PROGRAM or NEWS
- 93 NEWSPAPER ACCOUNT: (various) 94 PERSONAL INTERVIEW/Experience.
- 95 UFO MAGAZINE: (page number given + (Volume X 6) plus issue #)
- 96 OTHER DATABASES (not listed here)
- 97 PERIODICALS (not listed above) 98 OTHER BOOKS (not listed above)
- 99 >> REFERENCE UNKNOWN or LOST <<
- 100 STORY, Ronald: ENCYCLOPEDIA of UFOS Doubleday 1980
- 101 WALTERS, Ed & Francis: The GULF BREEZE SIGHTINGS Avon Books 1990
- 102 WALTERS, Ed & Francis: UFO ABDUCTIONS in GULF BREEZE Avon Books 1994
- 103 CLARK, JEROME UFO ENCOUNTERS and BEYOND Signet 1993
- 104 TRENCH, Brinsley Le Pour: MYSTERIOUS VISITORS. Pan Books 1975
- 105 TRENCH, Brinsley Le Pour. OPERATION EARTH Neville Spearman 1969

REFERENCE LIST SOURCE NUMBERS (cont..)

- 106 WILKINS, Harold. FLYING SAUCERS ON THE ATTACK. Citadel/Ace Books 1954
 107 WILKINS, Harold. FLYING SAUCERS UNCENSORED. Citade./Pyramid 1955
 108 CLARK, Jerome+COLEMAN, Loren. THE UNIDENTIFIED. Warner Books 1975
 109 LORENZEN, Jim & Coral. UFOS OVER THE AMERICAS NY Signet Books 1968
 110 LORENZEN, Jim & Coral. ABDUCTED! Berkley Books 1977
 111 LORENZEN, Coral. FLYING SAUCERS the STARTLING EVIDENCE Signet 1962/66
 112 LORENZEN, Jim & Coral. FLYING SAUCERS OCCUPANTS Signet 1967
 113 LORENZEN, Jim & Coral. ENCOUNTERS with UFO OCCUPANTS Berkley 1976
 114 HAINES, Richard F. PROJECT DELTA (Multiple UFO Study) LDA Press 1994
 115 HAINES, Richard F.: MELBOURNE EPISODE LDA Press 1989
 116 HAINES, Richard F. ADVANCED AERIAL DEVICES/KOREAN WAR LDA Press 1990
 117 HAINES, Richard F.. JUSA-CISAAF PAPERS (Russian translations/Haines)
 118 JACOBS, DAVID M : SECRET LIFE (forward/John Mack) /NL Fireside 1992
 119 ADLER, BILL LETTERS to the AIR FORCE. Dell Books 1967
 120 GOOD, Timothy. ABOVE TOP SECRET. Sidgwick&Jackson/Quill ed 1988
 121 GOOD, Timothy ed: ALIEN UPDATE (Brit. edition Haines Library)
 122 GOOD, Timothy ed: The UFO REPORT [1990] {USA / Avon Paperbacks 1989}
 123 GOOD, Timothy ed: The UFO REPORT 1991 (Brit. edition/Haines Library)
 124 GOOD, Timothy ed The UFO REPORT 1992 (Brit. edition/Haines Library)
 125 GOOD, Timothy ALIEN CONTACT. Quill/William Morrow 1991-1993
 128 GROSS, Loren UFOS & HISTORY 1896 (self published) (1974-1987)
 129 GROSS, Loren CHARLES FORT and UFOS. " " (1976)
 130 GROSS, Loren. UFOS & HISTORY 1946 " " (1972-1988)
 131 GROSS, Loren. UFOS & HISTORY 1947 " " (1988)
 132 GROSS, Loren: UFOS & HISTORY 1948 " " (1988)
 133 GROSS, Loren. UFOS & HISTORY JAN-JUN 1949. This excellent series of
 134 GROSS, Loren. UFOS & HISTORY JLY-DEC 1949. booklets is privately
 135 GROSS, Loren: UFOS & HISTORY JAN-MAR 1950. published by Loren Gross.
 136 GROSS, Loren. UFOS & HISTORY APR-JLY 1950. Copies are provided to
 137 GROSS, Loren. UFOS & HISTORY AUG-DEC 1950. Major UFO study groups
 138 GROSS, Loren: UFOS & HISTORY 1951 (all). and selected authors.
 139 thru 159 more LOREN GROSS booklets from 1952 thru 1956 (1990-1994)
 160 MUFON JOURNAL. (Page number cited is Monthly Issue Number)
 161 HENDRY, Allan: The UFO HANDBOOK Doubleday 1979 and Sphere 1980
 162 LANDSBURG, Alan In SEARCH of EXTRATERRESTRIALS. Bantam Books 1976
 163 TIME-LIFE BOOKS The UFO PHENOMENA. Time-Life Books ----
 164 VANCE, Adrian: UFOS the EYE and the CAMERA, NY, Barlensir House 1977
 165 REHN, K Gosta UFOS HERE and NOW trans/Abelard Schumann, London 1974
 166 McWAYNE, Glenn: The NEW UFO SIGHTINGS. Warner Paperbacks 1974
 167 KIND, Cynthia: AFRICAN ENCOUNTERS Zimbabwe, Gemini Books 1982
 168 VESCO, Renato: INTERCPT but DONT SHOOT. Italy: American translation
 169 RANGLES, Jenny: SCIENCE and the UFOS Basil Blackwell, Oxford 1985
 170 STANFORD, Ray: SOCORRO SAUCER in a PENTAGON PANTRY TX, Blusapple 1976
 171 ALDRICH, J L.: Private Library Research (rare 1947 newsclips etc.)
 172 KEOHE, Maj. Donald: FLYING S from OUTER SPACE H Holt Co NY, NY 1953
 173 KEOHE, Maj. Donald The FLYING SAUCER CONSPIRACY H Holt Co. NY, NY 1955
 174 STEVENS, Wendell. UFO ABDUCTION AT MARINGA, Inner Light ----
 175 RANDLE, K & SCHITT, D: The TRUTH ABOUT THE UFO CRASH at ROSWELL 1994
 176 STRINGFIELD, Leonard: SITUATION RED Fawcett/Creat 1977
 177 RANGLES & HOUGH: SPONTANEOUS HUMAN COMBUSTION Berkley Books 1994
 178 BERGIER, Jacques: Les Ets dans l HISTOIRE. Editions Jai Lu, Paris 1970
 179 GREENFIELD, Irving G: The UFO REPORT Lancer Books, NY 1967
 180 MUFON SYMPOSIUM PROCEEDINGS: pages = YEAR Actual page in synopsis

See README.DOC for Several ed Sources. -ca

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APPENDIX VII: PROBLEMS and UTILITY PROGRAMS

- 1] THE PROGRAM WORKS EXCEPT FOR THE MAPS THEY ARE DISTORTED, OVERWRITTEN, and/or MY SYSTEM CRASHES WHEN I DISPLAY MAPS.
- > YOU NEED VGA 640 x 480 x 16-color capability on your VIDEO ADAPTOR BOARD. This is a system requirement for proper operation. EGA maps are somewhat truncated, and CGA won't work at all. See UTEST EXE Utility for ways to check your system.
- 2] I GET an ERROR MESSAGE: FAILED opening U.RND (or other file)
- > ALL FILES provided MUST be in the SAME SUBDIRECTORY, preferably in C:\UFO. If UKEY.RND (the speed-file) is lost or corrupted, it can be rebuilt from scratch using the "R" (Rebuild) option in the Utility Program UFIX.EXE .
- 3] INSUFFICIENT CORE MEMORY.. -or- MEMORY ALLOCATION FAILURE.

- > You have run out of memory. System requires 1MB (megabyte) of user memory. This is the standard 640k base memory, plus at least 360k of Extended Memory. MOST late model systems offer this as standard equipment. SOME OLD PCs do NOT! If you have a PC-XT the program probably won't run anyway. 80286 microprocessor or better is required. See UTEST.EXE Utility below.

Even in a system with adequate memory, this will occur if you have many large TSRs and/or DEVICE DEVICE active. TSR is a "Terminate and Stay Resident" program called by AUTOEXEC.BAT which installs itself and stays in memory invisibly as you execute other programs. A DEVICE DRIVER shows as DEVICE = (whatever) SYS in your CONFIG SYS file. AUTOEXEC.BAT & CONFIG SYS are in your ROOT DIRECTORY, C:

Consult your DOS Manual for necessary and desirable DEVICE DRIVERS. Try disabling suspicious DRIVERS and TSRs using the "rem" (remark) statement BEFORE any call to an unwanted DEVICE/TSR. See the documentation that came with the TSR or DEVICE for instructions how to switch it off. MOUSE.SYS and MOUSE.COM are harmless.

- 4] I CAN'T TELL WHICH DIRECTORY/SUBDIRECTORY I'M IN!

Your DOS PROMPT (C- for drive C:) should show any subdirectory as in C:\UFO for the UFO subdirectory. IF IT DOES NOT Consult your DOS MANUAL. Look for a section called "Customising Your System" or the like. Edit the command: PROMPT \$p\$g into your AUTOEXEC.BAT file in the Root Directory. SAVE it and reboot.

- 5] I get a red message like "INTERNAL MATH ERROR CAUGHT" and the program just stops.

Again. Look for those nasty TSRs. Report persistent problems to Larry Hatch Software. If I find an actual bug, I will send you a new copy as fast as I can fix it. PLEASE try removing suspected TSRs etc. first!

The UFIX.EXE File Maintenance UTILITY PROGRAM.

To execute UFIX.EXE, Exit U.EXE. From DOS, type UFIX [Enter].

The UFIX UTILITIES MENU gives you the following options:

- [Esc] Exit to DOS.
- R - REBUILD and SORT MAIN and KEY files.
- L - LOCATE Duplicate Map Coordinates.
- F - Examine files by File Number.
- Y - Examine files by Year.
- C - Chop MAIN/KEY files to GIVEN SIZE (careful..)
- D - Directory of U*. * files.

R - REBUILD: This is the option you will most likely use.

REBUILD does the following in order:

- 1) Your main file U.RND is BACKED UP to U.RBK, unchanged, for safety.
- 2) U.RND is SORTED into strict chronological order, so that the reported Dates and Times are consecutive from the first event to the last.
- 3) UKEY.RND is rebuilt from scratch, to exactly match the new U.RND.
- 4) You return to the Utilities Menu above.

UKEY.RND is a "speed-file" having a few short fields from U.RND (Date, Time, Longitude, Latitude, Continent and Country). UKEY loads directly into memory when you run U.EXE. UKEY fields speed execution when these fields (only) are used as Search Limits. All other fields must be read from U.RND on your hard drive, which is slower.

L - LOCATE DUPLICATE MAP COORDINATE: An advanced function.

IF several UFO events are recorded for the same place, say Los Angeles or Shanghai, and the exact same Longitude and Latitude is used in each record, the UFO-DOTS on the Map Displays will overwrite each other giving the impression that only ONE event happened there.

To avoid this, sighting coordinates for "busy places" are purposely offset by 20, 40 or 60 seconds (one minute) of Longitude or Latitude (fractions of a mile), and will appear as white patches on the maps. Some cities sprawl across counties. LOCATE facilitates these offsets.

This option is necessarily slow. Press the SPACE-BAR a few times after calling L. This allows the first few matching records to appear. Use [print screen] for a hardcopy record of these. Press [Esc] once or twice to exit.

F and Y show records in the U.RND and UKEY.RND files by File number and Year. This is purely diagnostic, to help isolate problems caused by corrupted files. No data is changed, it is safe to play with.

UPIX.EXE UTILITIES PROGRAM (Continued)

- C - CHOP FILES to a Given Size. [use extreme caution!]
 CHOP will take the last N records, (with the most recent dates) and simply cut them out of your U.RND file unconditionally.

IF you have records that you wish to ELIMINATE entirely, you should

a) Execute U.EXE the main program. DELETE the unwanted records using EXAMINE/EDIT Option [1]. A "Deleted" record is assigned the Year 3000 instead of the actual year. It is not sorted yet.

c) Exit U.EXE Execute UPIX.EXE option R - REBUILD.
 REBUILD will SORT the "deleted" records to the end of the file U.RND based on the advanced date.

At this point you may leave these records in place. AS you enter NEW records, the "Year = 3000" records will be overwritten, one by one, destroying the old records. There is NO NEED to CHOP them.

d) Using the F - function above, CAREFULLY NOTE the RECORD NUMBER for the last (most recent) record you wish to keep. Lets say this is Record # 10001 for example.

e) Use the C - CHOP function. Follow the screen instructions exactly.

CHOP will ask the number of the Highest Record to keep (e.g. 10001) Enter the number and continue per instructions. For safety, the CHOP routine will NOT accept numbers below 10000.

Chop will copy U.RND as U.RRR for a safety backup.

U.RND is DOWNSIZED to the number of records you specify:

(the first 10001 records in our example..) with the rest discarded.

U.RND is REBUILT (again) for a downsized UKEY.RND.

IF THERE IS A PROBLEM with the NEW U.RND database file,

EXIT U.EXE and COPY U.RRR (to) U.RND from the DOS Prompt to restore your original un-cut file.

DO NOT copy U.RND to U.RRR: This destroys your only Original.

U.RRR may be considered a "grandfather file" in case of any mishaps down the road. U.RRR will not contain any file revisions made after the CHOP routine is performed, so use it wisely. If you plan to do much Editing or addition of new records, it is very wise to COPY U.RND to U.RRR after each session: NEVER the reverse, unless U.RND becomes hopelessly lost!

- D - DIRECTORY. This simply lists the U - files in your present subdirectory. This is quite safe to use anytime.

UTEST.EXE Utility: Tests System Memory etc.

If included, UTEST.EXE is a bonus program that tests for the presence of a Hard Drive, Mouse, VGA Video etc. UTEST displays system clock date and time, free core memory, (RAM on motherboard), disk space left, number and type of printers, mouse buttons, floppies and more. While UTEST is intended to test for the System Requirements for the *U* database package, it is a handy utility in itself.

Simple on-screen instructions will guide you through, mainly you just press the [Space] bar to step through the displays.

 No nonsense agreement:

Over 10 years of diligent research, and great expense has gone into this project. The price is artificially low to make the package available to a wide group within the UFO community. Copies are sold for the sole use of the purchaser at ONE computer at a time. If you upgrade to a newer computer, take *U* with you! *U* is upward compatible to Pentium (R) technology where maps execute with blissing speed!

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Film and Video presentations may use screens from this software PROVIDED PROPER CREDITS with NAME and ADDRESS are clearly shown so that viewers may obtain their own legal copies.

There are no "Terminate / Stay Resident" (TSR) devices, hidden files or other troublesome gimmicks in *U* Database. *U* lives in your C:\UFO subdirectory and does NOT alter files in other directories.

