

U.S. \$7.95

Volume 5, Number 5, 1996

THE HP Palmtop Paper



SECRETS OF THE

SUPER ORGANIZED



Publisher's Message 1

Letters to the Editor 4

New Third Party Products and Services..... 6

New HP OmniGo 120 Organizer Plus 10

REVIEWS

WWW/LX — Web Browser for the HP Palmtop 12
Now you can surf the Web, on line, with your HP Palmtop and D&A Software's new WWW/LX online Web browser.

Create and View World Wide Web Documents on the HP Palmtop 20
PalEdit and HV (free components of D&A Software's new WWW/LX) let you create and view HTML documents from the World Wide Web, on your HP Palmtop.

Find it Fast with Flexpad 24
Replace most of your built-in applications with a surprisingly flexible text editor.

@BASE Adds Database Horsepower to Lotus 1-2-3 31
@BASE turns the built-in Lotus 1-2-3 spreadsheet program into a sophisticated relational database that lets you work with large dBase III Plus-formatted files..

HOW TO USE

Palmtop Wisdom 2-3
Socially acceptable "Computer Bashing;" Leaving a Legacy.

User Profile: Managing Time with Database 36
This Palmtop user accomplishes her goals and manages her life with a custom Todo Database.

Carrying Your Office in Your Pocket 42
This on-the-road engineer tracks his contacts and correspondence, quotes prices, creates technical drawings, stays in touch with the world, and has fun — all with the Palmtop in his pocket.

User to User: News from Around the World 46
Hal reports on his recent trips and the discoveries he made while traveling, including some amazing Palmtop software; HP Handheld Conferences — this year and next; our new book on the Palmtop — *PC in Your Pocket*, and the new Palmtop Paper Web site.

Basic Tips 51-52

Quick Tips 53-55

Advertiser's Index..... 56

Files on Sep/Oct 96 ON DISK 56





**8 MB Version
Now Available!**

**Now Works with
Stacker™**

The Only HP Palmtop Upgrade That Has It All.

To get the most from your HP 100/200LX palmtop, you need 3 advanced upgrades on 1 convenient PCMCIA card. First, you need to send and receive both faxes and data at an exceptional 14,400 bps speed. Second, you need fax/modem software that operates easily with the same HP function keys and commands you already use ... without the hassle of downloading software and without consuming precious hard disk space. Third, you need Flash memory for fast, easy access to all your software applications and for efficiently storing data. Plus you need to fax from and receive faxes into your Flash memory for extra convenience. And, most of all, you need the flexibility to use all your upgrade features together or independently, without inserting and removing separate fax/modem and memory cards. Now you can have it all with ThinFax 1414LXM.

ALL THE ADVANCED UPGRADE FEATURES YOU NEED ... ON 1 CONVENIENT PCMCIA CARD.

EXP's award-winning MiniFax™ software. High-speed fax/modem. 2 or 4 MB Flash memory. They're all built into the ThinFax 1414LXM card. That's why ThinFax 1414LXM is the one upgrade that's a must for your HP palmtop. So call the toll-free number today for complete ThinFax 1414LXM specifications and the name of an EXP dealer near you.



Call: 714-453-1020 or Fax: 714-453-1319

<http://www.expnet.com>



MOBILE COMPUTING EXPERTISE IS BUILT INTO OUR NAME.

CALL 1-800-EXP-6922 EXT 641
LIFETIME WARRANTY

Publisher's Message



Hal Goldstein

In the May/June 1994 issue we published a piece on using Stephen Covey's *First Things First* methodology with the Palmtop. We received more response from that article than anything published thus far. Readers must have identified with my attempt to use the Palmtop's Database application to organize a life full of responsibilities, challenges and information while keeping in mind deeper values. (By the time you read this you should be able to find the article on our new www.thaddeus.com Web site).

Managing time and information is the theme of this issue. The article by consultant Joy Soto Kocar describes her well-developed system of time management. She describes how she uses the Palmtop's Database application to integrate her life goals with her day-to-day Todo's. Then traveling engineer/salesperson Jorgen Wallgren describes how he uses his main computer (the

Palmtop) to stay organized. Read how, while on the road, he tracks his voluminous correspondence and uses various DOS software packages including one with a mouse.

Chiropractor Ralph Alvy does not find the built-in Phone Book, Appointment Book, and NoteTaker applications flexible enough. In his quest for a speedier, more integrated method of taking control of his time and information he uses a new Palmtop shareware program, *Flexpad*. Carl Merkle, in his 1-2-3 column, describes how he expands the Palmtop's information processing capacity using *@BASE*, a Lotus add-in that's easy for 1-2-3 users to learn. It gives Palmtop users relational database capabilities and lets users access data stored in standard database formats.

As we've seen in the last several issues devoted to Wireless communications and to the Internet, the Palmtop is not just an isolated personal organizing device any more. People use the Palmtop as a communicator to get their e-mail and to connect to large databases to access information. In this issue you'll find a review of Andreas Garzotto's new Palmtop Web Browser, *WWW/LX* from D&A Software. *WWW/LX* is small, modular, and written for the HP Palmtop. Ed Keefe then writes about two of *WWW/LX*'s updated freeware components, which will be on the upcoming issue of *The HP Palmtop Paper 1996/97* Subscriber PowerDisk. The first component, the newly updated *Hypertext Viewer* (HV) 2.0, lets Palmtop users read downloaded and saved Internet World Wide Web documents on the HP Palmtop. The second, *PalEdit* (PE), is a Memo-like editor, but with quite a bit more functionality than Memo.

I am often asked if I still use the Covey method described in my original article. The answer is, "sort of." I cut down on the number of fields in the Covey database. In truth, I find that properly planning for the week and updating Todo's each day requires a discipline similar to proper dieting and exercise. Some weeks I'm better at it than others. Hopefully, the articles will inspire you as they did me to better use the Palmtop's time and information management capabilities. The quality of our lives depends on how we use our time and process information.

Hal Goldstein

The HP Palmtop Paper

INCREASING YOUR
PERSONAL POWER
BY EXPANDING YOUR
PALMTOP'S POTENTIAL

Volume five / Issue five
September/October 1996

Executive Editor/Publisher
Hal Goldstein

Managing Editor
Richard Hall

Associate Editors
Paul Merrill
Carol de Giere

Technical Editor
Tom Gibson

Department Editors
Ed Keefe
Carl Merkle
Wayne Kneeskern

Contributing Writers
Ralph Alvy
Joy Soto Kocar
Gilles Kohl
Jorgen Wallgren

Advertising/Marketing
Brian Teitzman
Margaret Martin
Tiffany Lisk

Circulation
Sharon Dilmore
David Brooks
Sharon Lloyd
Jolene Phillips

Executive Advisor
Rita Goldstein

The HP Palmtop Paper (ISSN 10656189) is published by Thaddeus Computing Inc., at 57 East Broadway Avenue, Fairfield, IA 52556. Periodical postage paid at Fairfield, Iowa. Subscription rates payable in U.S. dollars, checks drawn on a U.S. bank, or by credit card — one year: \$39; two years: \$69. Postage: U.S. and U.S. possessions free; Canada, Mexico add \$6 per year; other countries add \$18 per year. Published bi-monthly plus two bonus issues, one in April and one in November. Please allow four to six weeks for receipt of first issue. Executive, Editorial, Circulation, Marketing and Advertising Offices: P.O. Box 869, Fairfield, IA 52556. Telephone: (515) 472-6330, FAX: (515) 472-1879. Copyright 1996, Thaddeus Computing, Inc., all rights reserved. No part of this publication may be reproduced without written permission. Reasonable efforts are made to provide accurate and useful information, but the reader must make his or her own investigations and decisions; the Publisher and Editorial Staff cannot assume any responsibility or liability for the use of information contained herein.

POSTMASTER: Please send any address changes to The HP Palmtop Paper, Attn: Thaddeus Computing, Inc., P.O. Box 869, Fairfield, IA 52556.

Palmtop Wisdom

Personal Effectiveness Using the HP Palmtop

ENTERTAINMENT

By Rich Hall and Tom Gibson

Computer Bashing

Live with someone long enough and you begin to notice imperfections — the way they snore, misuse a word, or tell the same story over and over again. Pressure begins to build! Living with a computer can have the same effect on you. The solution in either case is humor!

An enjoyable example of pressure-relieving humor is the program HIT.EXE. Copy this DOS program to your Palmtop and run it. You'll get an animation of computer bashing, as you see below.

Note the duck standing in front of a computer with a sledgehammer

in his hand. Once activated, the duck smashes the unlucky desktop PC (or Mac?) over and over again.

The next time you would like to smash a computer, watch the duck do it for you.

Check out CompuServe HP Handheld Library 11 for HIT.ZIP. HIT.DOC provides explanations. We'll also supply the file on our ON DISK for this issue.

MORE HUMOR

If you have a chance, visit <http://www.winn.com/pwinn/humor/>, a World Wide Web site specializing in humor. Thousands of quips and other chuckles are offered here, including:

"Energizer Bunny Arrested! Charged with battery;"

"Give me ambiguity or give me

something else;"

"He who laughs last probably made a backup."

Many of these may be worth saving in your NoteTaker or Database jokes file, to carry with you for entertaining your friends.

FINANCE

by Carol de Giere

Leaving a Legacy

Next time you sit on a bench in a public park, see if it has a name plate on it. The bench and your surroundings may have been sponsored by a thoughtful donor. You find the spirit of giving in the library books you read and the art work you enjoy in a local museum. Donated items enrich our lives and reminded us to leave legacies of our own to enrich the lives of future generations.

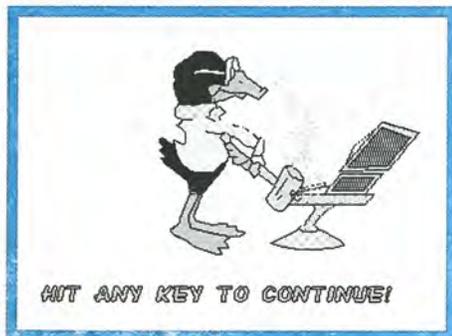
Many career tracks create visible legacies: architects leave their buildings, writers their books, programmers their software. But to purposefully give a gift to present and future generations expands your heart and mind in a different way. Some people tithe a percentage of their income to their religion. You may pass on a portion of your own success to your political party or your school. Whatever your focus, giving is an acknowledgment that our success, financial and otherwise, comes to us as part of a flow of energy which has its origin beyond our limited individuality.

ON THE PALMTOP

First you decide to give. Then you need to decide what you have to give (such as money, household items, advice, or your time). Finally, you need to consider what you can



Duck getting ready to smash a computer. Has anyone else had a desire like this?



Wham!



Computer is shattered and the duck gets ready for another whack.

afford to give. The HP Palmtop can help you with all but the 1st decision.

NoteTaker and Database can be used to create a list of contributions you are contemplating, like "tree donated to new church yard in the name of each of my children," or "book a year to local Headstart program." By keeping notes in Notetaker you can focus your donations towards the causes that you consider most meaningful.

You can create a spreadsheet to track your income, the number and amount of your donations, and the percentage of your income you donate. Our Publisher Hal Goldstein recommends the practice of contributing 10% to a spiritual cause without strings attached. Pick a percentage you're comfortable with and stick to it.

Wayne Kneesern, Thaddeus accountant suggests sitting down at the beginning of the year and thinking about the contributions you want to make and the charities to which you wish to give. Then you can create spreadsheet columns for

areas such as Church, United Way, Charity X, Girl Scouts (cookies), Boy Scouts, etc.

CREATE A POCKET QUICKEN DONATIONS ACCOUNT

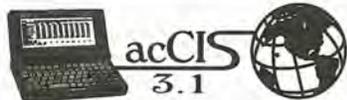
You can create a donations budget and use Pocket Quicken to track withdrawals from a donations account. As you record outgoing checks or cash in Pocket Quicken, the program shows the amount remaining in budget categories. An easy way to set up such a budget is to use Pocket Quicken's "credit card" option. Press **[F2]** to Add an account to Pocket Quicken. Name the account "Donations" or "Tithe" and select Credit Card as the Account Type.

Let's say your take-home pay is \$3,000 a month and you decide to donate 10% of that. Enter \$300 as the balance for the new account. Because you've set this up as a credit card account, the program assumes that \$300 is a negative balance. Any amount transferred from it will reduce the total.

Sometime during the month you write a \$75 check to your church. Open Pocket Quicken, highlight your Checking account and press **[F2]** to enter the check. Enter the pertinent data in the various fields. At the Category field, press **[DownArrow]**, then press **[D]** until you highlight the [Donations] account towards the bottom of the list (all accounts are listed in this menu). Press **[F10]** and Pocket Quicken enters the check in your checkbook and subtracts \$75 from the \$300 in your donations budget. Do this for each donation you make until the \$300 is used up.

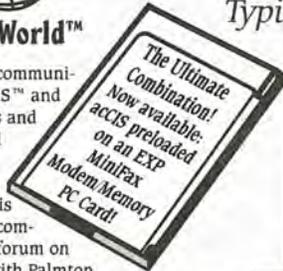
Keep a donations account in Pocket Quicken and when someone asks you dig deep, you'll know how deep to dig.

All this helps you fulfill a basic human desire — the need to leave a legacy. The next time you're sitting on a bench in a park, smelling roses donated by another, you can feel the satisfaction of knowing that you are planting roses of your own.



Your Palmtop Access to the World™

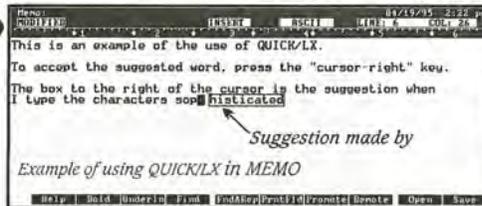
Now you can have the world of electronic communications in the palm of your hand with acCIS™ and CompuServe®. acCIS automatically uploads and downloads messages quickly. You can read and write messages off line, saving on connect charges and phone bills. acCIS is the only CompuServe access program that is designed specifically for your HP Palmtop computer. By using acCIS to join the HPHAND forum on CompuServe you can correspond directly with Palmtop experts and programmers from around the world and easily download software directly to your Palmtop. In addition to the Palmtop version, you get a copy of acCIS for your desktop or laptop PC at no extra cost.



QUICK/LX™

Typing aid for the HP Palmtop

QUICK/LX learns the words you type most often, then suggests them after you type just a few characters. The suggestions are displayed in a box on the screen. You can ignore the suggestion and keep on typing, or accept it with the press of a single key, and QUICK/LX will finish the word. QUICK/LX can also be used to correct your most common



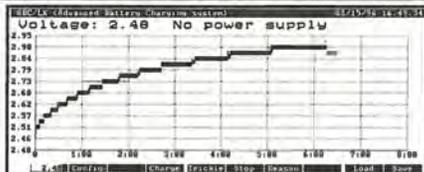
typo! QUICK/LX works in programs under the System Manager and in text-mode DOS applications. QUICK/LX can even be used to enter Macros that work in both the System Manager and DOS (unlike the built-in System Macros.) QUICK/LX also comes with a DOS version for your desktop computer.

QUICK/LX: \$39

ABC/LX



\$34.95



ABC/LX adds intelligence to battery charging in the HP Palmtop, plus it provides excellent information about battery conditions and charging. With ABC/LX you can simply forget about your batteries!



SHIER Systems & Software, Inc.
920 Hampshire Road, Suite A
Westlake Village, CA 91361
Phone: 805-371-9391
Fax: 805-371-9454
CIS: [74777,2477]



Visit us on the "Web" @: <http://www.shier.com>

Now E-Mail & Faxing is Wireless & Effortless!



With the Personal Messenger 100D PC Card from Motorola and the Ardis and RadioMail services, you are free to roam around the country and still stay in touch!

You can send faxes and have full two-way E-Mail capability all without wires, access numbers, special setup strings, long distance or roaming charges.



RadioMail

Call for our latest CATALOG of Palmtop Products



Telephone CordCard - Only \$7.95

Also available from SHIER Systems & Software: Custom cables to connect your HP Palmtop Computer to a wide variety of serial peripherals. Examples include: Pocket modems, serial printers (including the Citizen PN60 and Pentax PocketJet.) Prices start at \$35 - call for details.



Practical Database Examples Wanted

I am an ardent user and enthusiast of the HP 200LX. I load essential data from my desk computer into a 10MB flash card. I plug the flash card into my Palmtop and presto, I have all my important files with me. I update the flashcard weekly, sometimes more often. I frequently use the Palmtop to fax data when I travel and to download information from CompuServe.

I would like to read more articles about how various individuals use their Palmtops in business and for their personal life. What the Palmtop Paper needs to add reader interest is more testimonials. We all want to know how others are using their devices in hopes that we may learn a short cut or a new valuable use. It would be helpful if you could describe types of databases others are using.

*Ervin Jackson, Jr.
Medical Photographer
Charlotte, North Carolina*

[Here is a short list of uses for the Database application we either use ourselves, have heard about, or think would be neat.

Restaurants database — For cities you travel to, as well as your own city or town. Fields might include: Phone, Address, Category (French, Thai, etc.), Meals served (breakfast, lunch,

Letters

dinner, brunch, etc.), Quality (excellent, good, fair, poor), Cost (expensive, average, great deal), Atmosphere (great, average, poor), etc.

Home Inventory database — For insurance purposes. Fields might include: Description of item, Quantity, Cost at date of purchase, Date of purchase, Serial number, etc.

Jokes database — For reference at parties or when making presentations. Fields might include: Key words (to remind you of the joke), Body (the full text of the joke). Best to use the Note field since you will need the room), Type (you could classify your jokes based on prospective audiences).

Financial Advice database — To refer to again and again

as you continue to invest. Fields might include: Author, Category (stocks, bonds, real estate, etc.) Body (the full text of the advice. Best to use the Note field since you will need the room.)

Happy database — A list of things that make you happy (to be used when you get bored or can't think of anything to do). Fields might include: Event, Price (ex-

It's Great to Hear From You! Some Results from our Reader's Survey

Arriving by e-mail, fax, and "snail mail," the dozens of Survey responses returned so far have brought us encouragement and useful feedback from readers in Asia, Europe, and the U.S.A. In case you missed it, our first official Reader's Survey can be found in our July/August issue, pg. 41. We would be happy to receive more responses. (To send by e-mail, simply list the question numbers next to your responses.)

Not surprisingly, we heard from expert Palmtop users who want more technical articles and novices who want more basic articles. Yoshimi Oasa of Japan said: "Now I can say I am a technical expert thanks to *The HP Palmtop Paper*." Our hope is that more basic users will grow in their Palmtop skill by reading *The HP Palmtop Paper*.

We realize that we must continue to strive to make each article as comprehensible as possible for a range of readers. Someone recommended using more examples. That's one reason we include user profiles in the *Paper*. A computer programmer noted in his survey response that he skips the profiles. We expect that some of our subscribers will read some articles and skip others. However, we found that many read the *Paper* cover-to-cover. We did manage to frustrate a few people not yet on the Net with issues devoted primarily to the Internet and Wireless technology.

Technology Moves Ahead, Should We?

Our survey was designed to help us contemplate innovations and test the interest in hot topics such as the Net. One experienced Palmtop user says, "You're too slow on innovations. You should have much more on the Internet." Others, as mentioned above, don't yet use the Net and don't want to hear about it. Most of those responding to the surveys indicated that they actively use the World Wide Web. About half approved of the idea proposed in the survey to create an e-mail

version of *The HP Palmtop Paper*.

Slightly less than half of those responding wanted a broader range of articles, but mostly people want to stay informed on new developments that might possibly impact them. Matthew Rinberg of Totteridge, North London, U.K. concludes, "I would like to see the *Paper* remain mostly as it is but to have a few pages on other handhelds like the OmniGo 100 or Newton just so that we know what else is happening in the rest of the market." Although we don't feel our mission includes coverage of the whole marketplace, we plan to continue covering innovations from Hewlett-Packard. At the same time, we agree with our readers who said that detailed "How-to" articles based on different operating systems such as GEOS (for the HP OmniGo 100/120 organizers) would cause confusion.

Your Wish List, and How You Can Help

Highest on the "wish list" for the *Paper* was product reviews. We will continue to print plenty of product reviews from outside sources and occasionally do an in-house review when resources permit. We invite you to contact us if you're interested in writing a review of a product.

Readers have also used the survey to make suggestions for articles or topics, such as "My Favorite 10 Programs," health and fitness, and financial applications. We hope, now that you've considered what you want to read, you will also consider what you can give, whether a tip, an article, or a letter about a special database file you keep.

The greatest agreement from the readers was about the overall usefulness of *The HP Palmtop Paper*, the format, and the advertising. We are grateful to receive comments such as that from Yoshimi, who said, "I have made a lot of e-mail friends all over the World reading User to User and Letters. The 1-2-3 column is really useful for my job..."

Carol de Giere

pensive, inexpensive, free), Distance (local, day trip, weekend, trip), Equipment (needed), People (to call for advice or to invite. Best to use the Note field since you will need the room).

Car Research database — A list of information about a car you are thinking of purchasing. Fields might include: Dealership, Salesperson, Dealership phone number, Options (Best to use the Note field since you will need the room), Price, etc. (You can also use this idea for houses, stereos, boats, or any other item you are thinking of purchasing.)

Life Goals database — A list of things you want to accomplish before you die/move on. Fields might include: Goal, Location (local, in this country, name of other country), Necessary equipment, People (with information/help or to invite

along. Best to use the Note field since you will need the room), Category, Cost, etc.

Recipes database — A list of great recipes you have tried. Fields might include: Category (French, Mexican, etc.), Meat/Veg (includes meat, fish, or vegetarian) Body (the recipe itself. Best to use the Note field since you will need the room).

ToDo List database — You can set up a ToDo list that you can sort by category.

Inspiring Quotations database — For inspiration for yourself and others. Fields might include: Author, Subject (money, fun, love, relatives, work, etc.), Body (text of the quote, best use the Note field for size.)

Wish List database — Things you want to buy when you have the money. Fields might include: Name (of item),

Priority, Price, Category (clothes, car, etc.), Date (if its purchase is necessarily seasonal, like going on a vacation you can only take in the summer), Body (best to use the Note field since you will need the room.), etc.

Vocabulary database — Words you want to learn. Fields might include: Word, Meaning, etc.

Foreign Language database — (Spanish, Navajo, Egyptian, etc.) words you want to learn. Fields might include: English (the meaning of the word in English or your mother language), Spanish (the meaning of the word in Spanish, etc.), Body (Conjugations if the word is a verb, or other information you want to include on the word. Best to use the Note field since you will need the room), etc.—Paul Merrill, Carol de Giere]

Using the Palmtop as a Reference Tool

I read all of *The HP Palmtop Paper* over and over. I would like to see more on the use of the Palmtop as a sales/marketing tool and on how to install software.

I already use Phonebook for this purpose. My Phonebook database has 600 entries and I can't imagine how I ever got along without it. I vaguely remember constantly paging through my "Day-timer" phonebook and stacks of phone lists from various organizations within our company.

I'm very interested in utilizing the 200LX Palmtop more completely as a database reference tool in the performance of my job responsibilities. I'm a Marketing and Sales representative for Exxon Chemical Company and I market all of our polymer and film products to the Healthcare industry.

(Continued on page 50.)

The EduCALC Catalog—FREE for One Year

Cutting Edge Products to Enhance your HP Palmtop!

Memory in Flash



Expand your HP Palmtop's memory with high-quality PC Card technology at an affordable price. Whether you require only a few extra megabytes or 40 megs, IBM flash cards are your solution. Built-in data compression provides up to 80MB RAM for your palmtop.



- #3423A [3MB/6MB Flash] \$199
- #3424A [5MB/10MB Flash] \$259
- #3425A [10MB/20MB Flash] \$419
- #3426A [20MB/40MB Flash] \$739
- #3427A [30MB/60MB Flash] \$999
- #3428A [40MB/80MB Flash] \$1239

EduCALC

27953 Cabot Road
Laguna Niguel, CA 92677
Call for more info —
714.582.2637

Wireless Access

Experience the freedom and power of portable wireless palmtop communication. You can now reach anyone, anywhere, who has an email address, fax machine or RF messaging device—wireless and from your HP Palmtop!

- #3422 [Motorola Wireless Modem] ... \$699
- #10020A [EnBloc PalmStation+] \$1495

Your Name in Silver

Personalize your palmtop with this self-adhesive nameplate—it installs quickly in the recess on the back of your machine. Just give us up to 24 characters and allow two weeks for delivery.

- #2786 [Nameplate] \$4.95

EduCALC is your place to find all the newest, hottest technology for your Hewlett-Packard Palmtop!

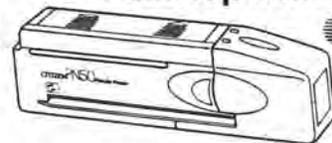
Call us today

800.713.6526

Check us out on the World Wide Web:
<http://www.educalc.com>

HP 100/200LX memory upgrade now available! Call for details

Palmtop Printing



CITIZEN

Print anywhere with your palmtop. These plain paper printers have great resolution (360 dpi) and allow you to print last minute, life saving charts and graphs—in color. Designed for today's professionals on the go, these small (10"×2"×1.85"), featherweight (1.1 lb.) portables fit in your briefcase and deliver laser quality printing. 2 pp per min on transparencies, cut sheet or letterhead. The economical PN50 gives you approximately 30 text pages on black cartridge (requires serial/parallel converter with HP serial cable). The versatile PN60 model gives you a color option as well—print 3-5 pages using color cartridge.

- #PN50 [PN50 Printer]\$249.95
- #PN60 [PN60 Printer]\$349.95
- #3289 [NiCad Battery]\$78.95
- #3290 [Car Adapter]\$44.95
- #3061 [Palmtop Cable]\$34.95
- #GA935 [S/P Converter]\$54.95
- #3292 [2 black ink Cartridges]\$8.95
- #3293 [2 color ink Cartridges]\$13.95

New Products!

This section lists new products of interest to users of the HP Palmtop PCs. New Products includes descriptions of hardware, software, books, videos, training and service offerings. Prices listed in this section are suggested retail. You may be able to get the products for less if you shop around.

HP Palmtop Paper Staff

HARDWARE

ADAPTERS

AC Econo-adapter from EduCALC

Use this AC adapter to power your Palmtop from any electrical outlet, and save battery life. This adapter is smaller and lighter than the HP version, but is limited to use in the USA or other countries with 110 volt, 60 Hz input. 90-day warranty. Recharges NiCds in your 100/200LX.

Pricing\$15.95
CONTACT: EduCALC, 27953 Cabot Rd., Laguna Niguel, CA 92677, USA; Phone: 800-677-7001 or 714-582-2637; Fax: 714-582-1445.

9-pin and 25-pin Gender Changers

Use these male-male or female-female adapter plugs to change the gender of your serial cable.

Pricing\$4.95
CONTACT: EduCALC, 27953 Cabot Rd., Laguna Niguel, CA 92677, USA; Phone: 800-677-7001 or 714-582-2637; Fax: 714-582-1445.

Serial to Parallel Converter

Use this Aegis serial-to-parallel converter to connect your 100/200LX to a parallel

printer or other parallel port. Converter is bi-directional, and compatible with any PC application software, printer or hard drive. Transmits data at 9600 baud via a 36-pin Centronics male connector. Weight: 3 oz.

Pricing\$79.95
CONTACT: EduCALC. See contact information above.

SOFTWARE

COMMUNICATIONS

Web browser designed specifically for the Palmtop

WWW/LX, by D&A Software, is an Internet access

program designed to run on the 100/200LX and OmniGo 700LX. It supports SLIP and PPP communication protocols, and can be used over phone lines, wirelessly (with the OmniGo 700LX or with the Ricochet wireless modem), or with direct serial connections to your desktop PC.

When combined with HV ver.2.0 [i], WWW/LX

HP PALMTOP USER GROUPS

Those interested in participating in an HP Palmtop users group should contact the following individuals. Send us contact information formatted as below if you wish to be added as a contact for a users group in your area.

HP Palmtop Worldwide User Group News — send material about User Group activities to *Conrad Cox* at the San Francisco, CA USA User Group. [E-mail: 76164.467@compuserve.com].

ARGENTINA — 100/200LX users in Argentina, contact: *Miguel Angel Misseri*, E-mail: 73070.3665@compuserve.com.

Arlington, VA / Washington, DC (USA) — 95LX/100/200LX users in the Arlington, VA / Washington, DC area, contact: *Rick Shaddock*, c/o Computer Instructors Corporation, 2320 South Eads, Arlington, VA 22202; Phone: 703-486-2222.

Atlanta, GA (USA) — Palmtop users in the Atlanta area, contact: *A.K. Avasthi*, Phone: 770-471-1389.

Cleveland, OH (USA) — 95LX/100/200LX users in the Cleveland area, contact: *Craig de Fasselie*, c/o MEM, Inc., 4702 East 355th St., Willoughby, OH 44094.

Boston, MA (USA) — 95LX/100/200LX users in the Boston area, contact: *Bryan Krauthamer*, Phone: 617-374-9600 x 197 (work); Fax: 617-374-9620; CompuServe ID: 70444.41.

BRAZIL — 95/100/200LX users in Brazil, contact: *Marcos L. Pedrosa*, Rua Train 647 Ap 104-B, 59020-150 Natal, RN-BRAZIL; Phone: 55 84 211-6162.

Charleston, SC (USA) — 95/100/200LX users in South Carolina, contact: *Ron Rivers*, P.O. Box 31284, Charleston, SC 29417-1284; Phone: 800-864-9444; CompuServe ID: 75023.44.

Denver, CO (USA) — 95LX/100/200LX users in the Denver area, contact: *Bill Hoeltgen*, 5944 S. Kipling, Suite 300, Littleton, CO 80127; Phone: 303-933-0023; Fax: 303-971-0347. Group meets quarterly.

Detroit, MI (USA) — 95LX/100/200LX users in the Detroit area, contact: *Jeff Zorn*, 29311 Ara-nel, Farmington Hills, MI 48334-2815; Phone: 313-489-1855 or Louis Peoples, St. Clair Shores, MI 48080; Phone: 313-777-9390.

FRANCE — HP Palmtop users in France, contact: *Olivier Della Valle*, 178 rue du Maréchal Leclerc, 94410 Saint-Maurice, FRANCE; Phone: (1) 43 53 95 67; CompuServe ID: 101533.160.

GERMANY — HP Palmtop/Omnibook users in Germany, contact: *Eckart Prinz*, Obere Mülhstr. 56a, 64291 Darmstadt, GERMANY; Phone/Fax: +49 6151 378065.

GERMANY / LUXEMBOURG — Not an official user group but this individual is willing to help HP Palmtop users with questions or technical problems; contact: *Gilles Kohli*; CompuServe ID: 1100114.3146; Phone: +49-721-69-36-55 (after 6 p.m. Central European time).

GREECE — HP Palmtop users in Greece, contact: *Stavros D. Zacharakos*, Sofocleous 33, Athens 151 26, GREECE; Phone: (+3-01) 8050041; Mobile Phone: (+3) 093-254-717 24hrs.; Fax: (+3-01) 8050041... OR... *John Tatsiramos*, c/o TAFARM, 70 Andritsenis Street 111 46 - Galatsi, GREECE; Phone: (01) 29.17.401; Fax: (01) 29.28.174.

HOLLAND/BELGIUM — HP 95LX/100/200LX users in the low countries, contact: *PROMPT HP-GC*, Mister G. Dongs, Postbus 1081, 1500 AB Zaandam, HOLLAND; Phone: +31 75 6 704205; E-mail: 74064.173@compuserve.com

INDONESIA — HP Handheld users (HP 75C, 110, 48, 12, 100/200LX) in Indonesia, contact: *Dirk H. Eversbert*, c/o P.T. Austindo Mitratama, Mr. Elman Sunarlio, Jl. Gunung Sahari 28E, Jakarta 10610, INDONESIA.

ITALY — 95/100/200LX users in Italy, contact: *Stefano Gigli*, Via E. Toti, 13-60123 Ancona, ITALY; Phone: 071-36845 or 071-200916; Fax: 071-200916; Internet ID: sgigli@mbx.vol.it

JAPAN — HP Palmtop users in Japan, contact: *Georg O. P. Escherl*, Ekimae 1-11-10, Koryama City, Fukushima Pref., JAPAN 963; Phone: 040-12-06980; Fax: 0249-21-4050. (Languages: German, English and Japanese)

Kansas (USA) — 95/100/200LX users in Kansas, contact: *Marietha Wilson*, P.O. Box 1151, Manhattan, KS 66502-0012; Phone: 913-532-9775.

Los Angeles, CA (USA) — 95LX/100/200LX users in the LA area, contact: *Dave Shier* at 805-371-9391; Fax: 805-371-9391; E-mail: david@shier.com; Web site: http://www.shier.com for more information.

MEXICO — Palmtop users in Mexico, contact: *Jose Palino*, Ave. Travulina y Rates #2103, Chihuahua, Chih. CP. 31240, MEXICO; Phone: (14) 26-50-43; Fax: (14) 81-01-75; Internet: palino@mail.interred.com.mx OR... *Francisco Bricio*; Phone: (3) 684-1317; CompuServe ID: 74174.1442]

Minneapolis, MN (USA) — HP Palmtop users in the Minneapolis/St. Paul area, contact: *Beth Silvenwater*, P.O. Box 27044, Minneapolis, MN 55427; Phone: 612-541-5631; Fax: 612-541-5636; E-mail: 73502.3645@compuserve.com

New Jersey/New York (USA) — 95LX/100/200LX users in the New Jersey/New York area, contact: *Stanley Dobrowski*, 169 Springfield Avenue, Rutherford, NJ, 07070-1642; CIS ID: 176711.2302; Phone: 201-807-5857 (work).

Oklahoma City, OK (USA) — 95/100/200LX users in the Oklahoma City area, contact: *Richard B. Meek*, 1804 Huntington, Oklahoma City, OK 73116; Residential Phone: 405-842-1267.

PANAMA / LATIN AMERICA — HP Palmtop users in Panama or Latin America, contact: *Aviran Yanir*, P.O. Box 31002 Colon Free Zone, REPUBLIC OF PANAMA; Phone: 507-4410442; Fax: 507-4410473.

PHILIPPINES — HP Palmtop users in the Philippines, contact: *Carlos Caliwara*, 2nd floor, DHMC Bldg., 109 Neptune St., Bel-Air, Makati City, PHILIPPINES; Phone: 63 (2) 8906229 to 36, extensions 120 & 121; Fax: 63 (2) 9285635; Internet ID: law1@mail.ph.net

Phoenix and Tucson, AZ (USA) — HP Palmtop users in the Phoenix/Tucson area, contact: *Cory L. Curtis*, P.O. Box 23502, Phoenix, AZ 85063-3502; Phone: 602-930-9661; Fax 602-930-8554; CIS ID: 102010.632; E-mail: palmtops@starlink.com

PORTUGAL — 95LX/100/200LX users in Portugal, contact: *PPTUG*, Rua de SFUAP, A-B, 2810 Laranjeiro, PORTUGAL; Phone/Fax: 351-1-2597216; Internet: sulplano@individual.eunet.pt

Richmond, VA (USA) — 95LX/100/200LX users in the Central Virginia area, contact: *John Haskell*, 7102 Three Chopt Road, Richmond, VA 23226-3615; CIS ID: 170750.1243 or Phone: 804-288-6073 (work).

San Diego, CA (USA) — 100/200LX users in the San Diego area, contact: *Don Williams* at 619-452-6267 or 619-546-8166; E-mail: donw@cls.com for more information.

San Francisco, CA (USA) — Users in the Bay Area of Northern California, contact: *Conrad Cox* e-mail 76164.467@compuserve.com

TURKEY — HP Palmtop users in Turkey, contact: *Ahmet G. Ozisik*, Soyak Binasi, Buyukdere Cad. 38, Mecidiyekoy, Istanbul 80290, TURKEY; Phone: (212) 275 09 10 (ext. 309); Fax: (212) 211 57 61; E-mail: ozisika@doruk.com.tr or aozisik@ibm.net

UKRAINE — HP Palmtop users in the Ukraine, Odessa, Kiev, Crimea regions, contact: *Linetksky V. Oleg*, 1, Varvarovsky Spusk, Nikolaev, 327015, UKRAINE; Phone: (051) 36-73-51 36-73-13; Fax: (051) 24-41-25.

UNITED KINGDOM — HP Palmtop users in the United Kingdom, contact: *Michael A. Brown*, MBA Group, 33 Albany Avenue, Isleworth, Middlesex, TW7 5HY, U.K.; Phone: 0181-847-3777; Fax: 0181-569-2402. or *David Hodges*, HPCC Membership Secretary, 8 Stratford Court, Salisbury Road, Farnborough, Hampshire GU11 7AJ, UK, w.mier@ic.ac.uk

browses the World Wide Web — WWW/LX performs all the communication tasks (logging on, acquiring web pages, etc.), and HV displays the acquired pages on the screen. HV ver.2.0 is included with WWW/LX. WWW/LX runs in System Manager as a DOS/PAL application. (See review by Gilles Kohl, page 12.)

Availability October, 1996
 Pricing \$99
 CONTACT: *Shier Systems & Software, 920 Hampshire Road, Suite A, Westlake Village, CA 91361, USA; Phone: 805-3719391; Fax: 805-371-5495; E-mail: info@shier.com*

Europe and Asia: Rundel Datentechnik, Rappenstr. 20, 73033 Goepfingen, Germany; Phone: +49 7161 14707; Fax: +49 7161 24473; E-Mail: 100023.2477@compuserve.com

DATA

"T-Corder" and Palmtop collect data in remote locations

Use this solid state, portable data recorder from Vulcan Enterprises with your HP Palmtop to collect data in remote locations. (A familiar example of a remote data recorder is the "black box" found on most commercial airliners.)

After data has been recorded to T-Corder's SRAM card, place the card in the Palmtop to analyze the data. Connect T-Corder to the Palmtop using a serial cable, and use the Palmtop's built-in DataComm application to make any necessary adjustments to your system on-site.

The new T-Corder model 512 allows you to monitor the health and performance of a given system by recording analog, pulse and state signals, then storing the data files to an SRAM card. A simple DOS based translation utility converts the collected data to ASCII delimited files that can be imported and analyzed in Lotus 1-2-3 on the

Palmtop. Voltage, temperature, pressure, strain, rotational speed, pulse count and switch position signals can be recorded in real time to DOS data files.

The new 512 model adds 64 channels of 12-bit analog data to the previous 510 model's capabilities. The 512 simultaneously measures and records up to sixty-four 12-bit analog channels, eight 10-bit analog channels, four 32-bit rotational or count channels, and eight discrete signals at rates of up to 200hz.

Size: 6.75" x 2.25" x 9".
 Rugged, no moving parts. (T-Corder 512 has been tested on the HP 95LX only, but should work on the 100/200LX as well.)

Pricing \$2,495
 CONTACT: *Vulcan Enterprises, Inc., 14604 S. 24th Pl., Phoenix, AZ 85048, USA; Phone: 602-759-1600; Fax: 602-759-7926; WWW: http://ourworld.compuserve.com/homepages/VulcanEnt/tcorder.htm*

HEALTH CARE

DiagnosisPro medical software lists possible diagnoses in seconds

DiagnosisPro medical software helps physicians diagnosis unfamiliar or unusual cases based on the patient's symptoms or the results of the patient's lab tests. Answers to queries are drawn from a database of 13,000 abnormalities (symptoms, signs, lab results, X-rays, EKG results, etc.), or 8,500 disease or drug related causes.

DiagnosisPro provides lists of differential diagnoses for Internal Medicine, Pediatrics, Office Gynecology, Geriatrics, and Family Practice. Users can overlay up to ten abnormality lists to check for commonality, allowing a search to be narrowed through the use of a simple Boolean "AND" function.

DiagnosisPro clinical software is an expanded version of the previous "Remind IV" medical software. DiagnosisPro fits on a 20MB Flash card.

30-day free trial. Annual updates available. For further information contact vendor.

Pricing \$495
 CONTACT: *MedTech USA, Inc., 6310 San Vicente Blvd., Suite 425, Los Angeles, CA 90048, USA; Phone: 800-640-8000 or 310-553-7777; Fax: 310-553-7400; E-mail: mail@medtech.com; WWW: http://www.medtech.com or www.commercial-directory.com/diagnosispro/*

MATH

New version of computer math calculator

CMCalc version 19, a programmer's calculator from Dorr Software Development, now supports algebraic data entry as well as expanded maximum word size (from 32 bits to 64 bits). Previous features are retained including hexadecimal, decimal, octal and binary number calculation.

CMCalc is System Manager compliant and runs on the HP 100/200LX Palmtop and OmniGo 700LX.

Pricing \$25
 CONTACT: *Dorr Software Development, 8778 Casa Grande Drive, Pittsburgh, PA 15237-5340, USA; Phone: 412-369-0915; Fax: 412-367-4996; E-mail: dorre@well.com; or 75156.3132@compuserve.com*

SURVEYING

Road Layout option for System 95 surveying software

System 95 surveying software turns your Palmtop into a data collection and field geometry device for surveyors. System 95 functions include: job creation

and review, setup, data collection, triangle solutions, leveling, sun shots, earth work, coordinate geometry, stakeout, curves, adjustments, file transfer to PC, and print/plot.

After the necessary data has been collected, a road is designed using a civil engineering software package (not included), and the information is then downloaded to System 95 on the Palmtop for use in the field (for laying out stakes, etc.).

Road Layout is used in conjunction with System 95 and adds the following functions: horizontal alignments (including spiral curves), vertical alignments, cross section templates, widenings and super-elevations. A complete road file can be transferred to the data collector for layout in the field. Full staking capability includes station and offset, slope and inverse by station. Road Layout's graphics show crests, dips in roads, etc.)

Pricing:
 System 95 (on PC Card) \$750
 Road Layout (on PC Card) ... \$995
 CONTACT: *Tripod Data Systems, 1853 SW Airport Road, Corvallis, OR 97333, USA; Phone: 800-426-8026 or 503-753-9322; Fax: 503-757-7439*
 Or: *EduCALC, 27953 Cabot Road, Laguna Niguel, CA 92677, USA; Phone: 800-677-7001 or 714-582-2637; Fax: 714-582-1445.*

FREWARE & SHAREWARE

BATTERIES

BATTLOG

BATTLOG.ZIP (Battery Voltage Logger and Viewer) is a TSR utility that checks your 100/200LX's battery voltage every ten seconds and logs the data to your Palmtop's C drive every five minutes. The logged data includes the following information:

Knowledge Products From Thaddeus



The HP Palmtop Paper

The HP Palmtop Paper

Each issue contains 100's of ideas to increase your personal effectiveness.

Subscribe today and receive:

- 6 issues of *The HP Palmtop Paper*
- Bonus issue: *Best Palmtop Tips* (Each Spring)
- Bonus issue: *PC Card Review* (Each Fall)
- Subscriber PowerDisk (Each Fall)

"The HP Palmtop Paper has saved me countless hours of frustration"

Steve Mitchell
Middleburg, Indiana

Order back issues of The HP Palmtop Paper while they last

Like the HP Palmtop? There's plenty of useful information already published. HP 95LX users will especially benefit from thirteen 1991-93 issues, and HP 100LX and HP 200LX users will appreciate the twelve 1994-95 issues. Included is a Subscriber PowerDisk for each year.



"Best Tips On Disk" comes free with *The HP Palmtop Paper On Disk* subscription

The HP Palmtop Paper On Disk

Get a supplemental disk containing all the great freeware and shareware you read about in each *The HP Palmtop Paper*.

This supplement to *The HP Palmtop Paper* also contains detailed information from advertisers plus the full text of *The HP Palmtop Paper* for text search.

Best Tips On Disk: Free or can be ordered separately.

Each year we compile the best palmtop tips and the best freeware and shareware and put it on two 1.44 Meg floppy disks. Included FREE only with your *The HP Palmtop Paper On Disk* subscription, or can be purchased separately.

Subscribe to: HP OmniGo World

Like *The HP Palmtop Paper*? The same editorial team creates the quarterly publication *HP OmniGo World*.

Bonuses include:

- 3 OmniGo Extras catalogs per year
- 3 Bonus Special Reports
- Graffiti™ stick'em guides to help you learn the handwriting recognition language fast



HP OmniGo World

**Thaddeus
Computing INC.**

Publisher: *The HP Palmtop Paper* and *HP OmniGo World*
57 East Broadway, Fairfield, IA 52556
800-373-6114 • (515) 472-6330
Fax: (515) 472-1879 • E-Mail: orders@thaddeus.com

continued on page 49

- Date and time
- Mean voltage of the main batteries (the mean of 30 samples)
- Highest and lowest voltages of samples
- Time of RS232C serial port activity

BATTLOG also allows you to view the data as a graph. Logging stops when you turn your Palmtop off.

Type: Freeware
Location: CompuServe's HPHAND Forum, library 11.

ReVolt and DeVolt

REVOLT.ZIP contains two programs: ReVolt and DeVolt.

ReVolt — allows you to observe and monitor battery recharging voltage over a nine-hour period. ReVolt lists the voltage levels, running time in minutes, clock time, and recharge status, as well as a graph of the voltage amounts over time.

DeVolt — records voltage level at the date and time the program is run. Using DeVolt, you can develop a text file showing the variations in your battery voltage over days and months. You can use Memo or any text viewer to view your DEVOLT.DOC file.

Both programs have the look and feel of the Palmtop built-in applications.

Type: Freeware
Location: ftp://eddie.mit.edu/pub/hp95lx/NEW/revolt.zip

DATA

Mileage Tracker

MT.ZIP (Mileage Tracker) keeps track of your mileage, the amount spent for gasoline, and the gallons of gas used. The MT log will accept a maximum of 99 entries before you must clear the entire log. MT can also be used with kilometers and liters.

Type: Shareware
Location: ftp://eddie.mit.edu/pub/hp95lx/NEW/mt.zip

FAX

HPFAX106

HPFAX106.ZIP — QuickStar FaxPro allows you to send plain text faxes from the DOS command line of your Palmtop using either a Class 1 or Class 2 fax/modem. The program can be used manually to send one fax at a time, or can be called up from a batch file to send the same fax to various fax receivers.

Type: Shareware
Location: http://w3.one.net/~hamm/stuff/hpfax106.zip

GAMES

FIGHTER

HP-LX Fighter is a combat game written in assembler, designed for the HP Palmtop. FIGHTER.ZIP is a free-ware demo. The fully functional version of FIGHTER is Shareware.

Type: Shareware
Location: http://www.hkstar.com/~ttenence/fighter.zip

GoMoku

G0100.ZIP is GoMoku, a 6K strategy game written for the 100/200 LX.

Type: Shareware
Location: ftp://eddie.mit.edu/pub/hp95lx/new/go100.zip

PAC-Man game

PAC.ZIP is a PAC-Man game for the Palmtop.

Type: Shareware
Location: http://www.hkstar.com/~ttenence/pac.zip

MISC.

ERD

ERD23.ZIP (Enhanced Remove Directory) is a utility that allows you to delete a directory and the files within it, with one command instead of using the DOS RD (Remove Directory) and DEL (Delete) commands. ERD removes all hidden files and read only files as well.

Type: Shareware
Location: CompuServe's HPHAND Forum, library 11.

ICE200

ICE200.ZIP lets you change Application Manager's icons for the Palmtop's built-in applications. A set of icons are included, but you can use anything you want. ICE200 is a 4K TSR program.

Type: Freeware
Location: http://w3.one.net/~hamm/stuff/hpfax106.zip

PPAL.ZIP

Palmtop Pal is a program to help you control your Palmtop by providing the status of various Palmtop specific functions. These functions include battery voltage, lite sleep status, battery type, charge status, serial port status and more. Palmtop Pal also allows you to change these items. Palmtop Pal is not System Manager compliant.

Type: Freeware
Location: CompuServe's HPHAND Forum, Library 11.

PROGRAMMING

C Compiler

SMC.ZIP contains a small C compiler with SRCE sample programs.

Type: Freeware
Location: ftp://eddie.mit.edu/pub/hp95lx/NEW/smc.zip

CONFERENCES AND UPDATES

Handheld/PDA Expo

PDA Incorporated/World Market Strategies is sponsoring the Handheld and PDA Expo '96 on December 4-6, 1996, in San Mateo, California.

The Expo is designed to bring together customers and vendors to explore PDA technology including data collection, field automation, and sales automation. Present and future PDA solutions provided by leading technology suppliers will be explored. Highlighted products will include smart communication devices, Internet and Intranet access, and connectivity.

The PDA Expo is for those producing, selling, promoting, servicing, consulting, or financing handhelds and PDA technology in the corporate environment. There will be exhibits and hands-on educational seminars.

CONTACT: *Sonya Sinha, PDA Incorporated, 4309 17th Street, San Francisco, CA 94114, USA; Phone: 415-252-8008; Fax: 415-252-8055; E-main: info@wmsltd.com*

HP Handheld Product Support has new phone number

Free HP Technical Support can now be reached at 970-392-1001, 5:00 am. to 5:00 pm. Pacific Standard Time. This is the number to call for product questions not covered in your User's Guide, diagnostic instructions or service information.

You can also visit HP's electronic information service site on the Internet at: <http://www.hp.com/handheld>.

New HP OmniGo 120 Organizer Offers "Holographic" Face

New addition to Organizer line features brighter display and built-in Pocket Quicken.

By Carol de Giere

On September 9, 1996, HP unveiled the new HP OmniGo 120 organizer with Pocket Quicken built in and a new "holographic" screen. The new screen features greater contrast than standard screens, appearing brighter and more readable than before. Pocket Quicken is the portable version of Quicken, the popular financial management program that allows you to track your personal and/or business checking, credit card and cash accounts.

Pocket Quicken helps you keep accurate records (for personal or tax purposes), and follow budgets.

At this time, the new HP OmniGo 120 organizer will be sold only in the United States and Europe. The street price in the United States is expected to be \$399. HP will continue to sell the HP OmniGo 100 organizer (street price between \$300-\$350).

The HP OmniGo 120 organizer also supports "CompactFlash." This

is a new size in Flash cards, much smaller than current models. The CompactFlash PC Card fits into an adapter unit that is then inserted in the PC Card slot in the side of the HP OmniGo 120 organizer. Flash technology provides non-volatile memory that doesn't need battery power to maintain it, and therefore provides a more reliable way of storing data. The CompactFlash card and adapter are expected to be available at the same time as the HP OmniGo 120 organizer and will list at \$239 for the 2MB size. This compares favorably with SRAM card prices, which go for approximately \$229 for 2MB. CompactFlash technology is relatively new and is targeted for digital cameras, camcorders, pagers, and other electronic devices in the future.

Green screen meets testers' approval

The green holographic screen received positive responses from the Beta testers we interviewed. The new screen offers a brighter display that optimizes the available light, increasing "readability" and creating the impression of a backlit screen — without compromising battery life.

Ed Keefe, one of our regular contributing authors who tested the same screen on a different machine, agrees. "I found the screen very readable. I didn't want to return it after my testing period was over. In proper lighting the screen looks like it is back lit, and the contrast is better." Ed explained that certain lighting conditions seemed ideal for the screen, especially light that is coming over your shoulder. "I checked the screen in my car one night while sitting in a parking lot. I thought I would have to turn the overhead light on in the car, but the street lamp in the parking lot shown on the screen and made it glow." Fortunately for 120 owners, the added luminosity is an effect caused by the screen's reflec-

New! Link-A-Printer II

Smaller size & Attached cable



Link-A-Printer II is a serial to parallel converter that allows direct printing from your OmniGo 100 to any parallel printer. It also works with the HP 100/200LX

\$79

Link-A-Printer II has a built-in connectivity cable that plugs in to your OmniGo 100. Since it does not require batteries or extra cable Link-A-Printer II is simple and easy to use.

Also Available Link-A-Printer I **\$59**

Requires connectivity cable and optional battery Features auto on/off fixed 9600 baud

Tel: 704-875-8490
 Fax: 704-875-2801
 Toll Free: 800-476-4070



Attention
Pocket Quicken Users



Gives You an Instant Link to Desktop Quicken and Quicken ExpensAble For The Ultimate In Personal Financial Control

You already have Pocket Quicken on your Palmtop PC, so you can capture information about your everyday expenses – and more – as you go.



But you'll gain even more power over your finances when you send your data directly to Quicken® or Quicken ExpensAble™ on your desktop using Pocket Quicken Connect™. There's no double entry, so Pocket Quicken Connect is a breeze to use.



With Quicken, you have instant access to reports, graphs, budgets and more to give you valuable insight into your personal finances. Plus, when you send your business expenses to Quicken ExpensAble, you'll have a printed expense report in a flash.



Price

Pocket Quicken Connect for Windows

\$29.95

(Plus Shipping and Handling)

To Order Pocket Quicken Connect, Call Anytime Toll Free
1-800-243-4650 Ext. 810 563

(6am to 7pm Mountain time, Monday through Friday. 60 day money back guarantee.)

If you have an HP 100LX Palmtop PC and you want to order Pocket Quicken, just call 1-800-243-4650. Pocket Quicken is \$69.95, plus shipping and handling. Please call for details.

System Requirements: IBM 386 33MHZ or higher or 100% IBM compatible computer with enough RAM to run Quicken or ExpensAble for Windows. Windows 3.1 or higher, Quicken 3.0 or higher, 750K of hard disk space and one COM port on your computer.

© 1995 Intuit Inc. Pocket Quicken, Pocket Quicken Connect, the Pocket Quicken Connect Logo and ExpensAble are trademarks of Intuit Inc. Quicken is a registered trademark of Intuit Inc.

tive background and not from added battery power.

Ray Kump, an accountant with his own accounting firm in New York, loved the screen. "I found it was brighter in most lighting conditions than the previous screen. In low light you can read it a lot better." Ray tested the machine both at his office and in his car. "I travel a great deal and found that, in the car, the letters jumped out at me more with this type of screen. In my office, when I would glance over to check what appointments were coming up, it was easier to

read the green screen from farther away." Ray also found the green color of the screen pleasing.

Availability

HP has been working on expanding the HP OmniGo organizer's availability. The 120 is expected to be available through numerous retail outlets and mass merchants, including Circuit City, the Good Guys!, J&R Computer World, OfficeMax, Nobody Beats the Wiz, Service Merchandise and Staples.

The product will also be available through mail order and other computer and electronics outlets. There is no upgrade path for 100 users.

Pricing and Contact Information for products mentioned in this article

All prices are manufacturer's suggested retail price. It may be possible to purchase the product for less at third-party vendors.

HP OmniGo 120 organizer — \$429

CompactFlash — \$239

CONTACT: Authorized U.S. HP dealers call 800-433-1254.

WWW/LX — Web Browser for the HP Palmtop

Now you can surf the Web, online, with your HP Palmtop and D&A Software's new WWW/LX online Web browser.

By Gilles Kohl

I confess! I have been lying to CompuServe HPHAND Forum members. The question "How can I access the Internet with my HP 100/200LX or 700LX" has been recently seen quite frequently on the Forum. Until now, I could only refer users to one of the existing, DOS-based, text-mode browsers and access programs as the "best" option currently available. The truth is that I have been using something far better myself and only now am I finally allowed to talk about it.

During the last few weeks, I have been one of the chosen few (about a dozen) beta testers of **WWW/LX**, a new World Wide Web (WWW) access solution for the HP Palmtops by D&A Software Inc. and Andreas Garzotto. Unlike existing packages, this solution has been developed on the Palmtop, for the Palmtop, and with the Palmtop in mind. It is fast, small, and easy to use and setup. It can run within System Manager (no need to close all applications and drop to DOS) and it is small enough to fit on the C: drive of a 1MB 100LX if necessary!

WWW/LX can also directly connect via the Nokia cellular phone of an HP OmniGo 700LX, without the need to use external DOS utilities.

WWW/LX Components and Architecture

There are three components that make up the WWW/LX Web browser:

Web interface — this dials your Internet Service Provider (ISP) and understands the various Internet protocols like SLIP, PPP, TCP/IP, HTTP, etc.

Web browser — this lets you view HTML documents on or off line. It can talk to the Web interface to retrieve Web pages from the net. The Web browser (HV2.ZIP ) may be an old acquaintance to some users. It is an upgraded version of Andreas Garzotto's freeware "HTML Viewer" program HV (HTML is the language used for creating hypertext documents for the Web).

This version in WWW/LX understands even more HTML tags and is able to talk to the Web interface component to retrieve live Web pages after you connect to an ISP. HV is available as freeware as before. WWW/LX is a commercial software product.

Installation/setup program — more about that one later.

The WWW/LX is innovative in that it is neither a TSR, nor a comprehensive software program like NetTamer that attempts to do-it-all. Some DOS programs require that you load a "Terminate and Stay Resident" (TSR) software "driver." This TSR needs to be loaded by the AUTOEXEC.BAT file when you first boot up your computer. You can quickly access a TSR whenever you want because it's always running. The downside of this arrangement is that the TSR is always occupying your computer's system memory, leaving less room for other software programs.

The all-in-one approaches like NetTamer (N103-PT.ZIP ) try to do everything and consequently are very large software programs. They are too large to run under System Manager, or fit easily on the C: drive (it will barely fit on a 2MB Palmtop, leaving room for little else). With NetTamer, if all you want to do is browse the Web, you still need to load its Telnet, Mail, Newsgroups and FTP parts as well.

WWW/LX-HV is a collection of software modules, each responsible for a different task. They work cooperatively with each other and only the components currently



ABOUT THE AUTHOR

Gilles Kohl is a native of Luxembourg living in Karlsruhe, Germany. He works as a software developer and project engineer for PROCAD GmbH & Co. KG, a German company specializing in CAD/CAM and electronic database management systems for technical applications. As a TeamHP member, Gilles enjoys helping other Palmtop owners in the German and French section of the HPHAND forum on CompuServe. Gilles can be reached under CIS: [100114,3146].



We have the greatest selection of Leather Cases for your:

HP Palmtop, Cellular Phone, Omnibook and OmniGo

New



New



Futura 20 \$ 43.95 (HP Palmtop)
Futura 25 \$ 43.95 (OmniGo)

When your hands need to be free... use this case on your belt or shoulder strap

-Dimensions (F20): 7.5" x 3.7" x 1.4"
(19 x 9.4 x 3.5 cms)
(F25): 6.5" x 4.2" x 1.4"
(16.5 x 10.5 x 3.5 cms)

Futura 30 \$ 39.95

Protect your palmtop with this zippered case, and carry it in your suit pocket

-Dimensions: 6.5" X 3.75" X 1.25"
(16.5 X 9.5 X 3.2 cms)

Futura 50 \$ 44.95

This practical and small case is ideal for your palmtop.

-Dimensions: 6.88" X 4.25" X 1.50"
(17.5 X 10.8 X 3.8 cms)

Futura 90 \$86.99

Ideal as a traveling companion or hand bag. Has a pull-out strap and detachable shoulder strap. Holds: Palmtop, OmniGo, Cellular phones, 1 pen and many more things

-Dimensions: 7" x 4.5" x 2"
(17.7 x 11.5 x 5 cms)

Just flip it open and start!
(Hard cover to protect screen)

NEW

Futura 45 \$46.95

Convert your OmniGo into a Personal Digital Assistant (PDA) with this exclusive case. Turn it ON/OFF without taking it out of the case.

-Dimensions: 6.5" X 3.75" X 1.5"
(16.5 X 9.5 X 3.8 cms)

External pocket for touch screen pen

On/Off

Futura 55 \$ 52.95

The Most Complete Executive Solution for your OmniGo 100 or HP Palmtops. This beautiful and practical case was specially designed for the Executive. It has six slots for credit cards or PCMCIA cards, an elastic compartment for 2 AA batteries, can hold a wireless paging receiver, and many essential traveling documents. It also holds one Mont Blanc size pen and has a hand strap that can be tucked away when not needed.

-Dimensions: Futura 55: 7.88" X 4.25" X 1.50"
(20.0 X 10.8 X 3.8 cms)



2 - AA Batteries



NEW



Futura 60 \$54.95

Protect your palmtop with this small and beautiful case

-Dimensions: 6.5" X 3.75" X 1.75"
(16.5 X 9.5 X 4.4 cms)
-Regular \$ 60.00



Futura 75 \$ 49.95

Designed to carry your palmtop with a pager or connectivity pack

-Dimensions: 9.75" X 4.5" X 1.75"
(24.7 X 11.4 X 4.4 cms)
-Regular \$ 55.00



Futura 100 \$64.95

Ideal for traveling and meetings. Also fits electronic organizers, OmniGos and Calculators

-Dimensions: 8" x 6" x 2"
(20.3 x 15.2 x 5.1 cms)

New



Futura 190 \$ 250.00

The preferred choice by many travelling executives! Carry and protect your Omnibook 4000 or any other laptops in this exclusive case. Also carry your files and other important documents with you. External power supply bag is also available as an accessory. The external power supply pouch can be attached to the shoulder strap when needed.

-Dimensions: 13" x 10" x 5" (33 x 25.5 x 12.5 cms)

Power supply pouch
Accessory
\$ 25.00

SALE!
\$ 194.95
(all fine leather)

E & B Company
735 Sunrise Avenue, Suite 200
Roseville, CA 95661

USA: 1-800-896-CASE (2273)
Int'l: 916-344-5047
Fax: 916-782-9306
In Europe: 49-7457-7773 (voice & fax)
In Germany: 07457-7773 (voice & fax)



**CALL ANYTIME
Free Brochure**

30 days trial offer
If you are not completely
satisfied, simply return it unused
for a full refund of your
purchase price



Available

ALL PRICES PLUS SHIPPING AND HANDLING. FOR CALIFORNIA ORDERS ADD TAX 7.25 %

Your Palmtop PC Is Already An Internet Mailbox!

Use the built-in cc:Mail application for dial-up access to global internet e-mail.
cc:Mail<->Internet

- Choose your own e-mail address
- Only \$9/mo flat, unlimited usage
- Handles binary file attachments

Call or E-mail for Free Trial:

palmtop.com

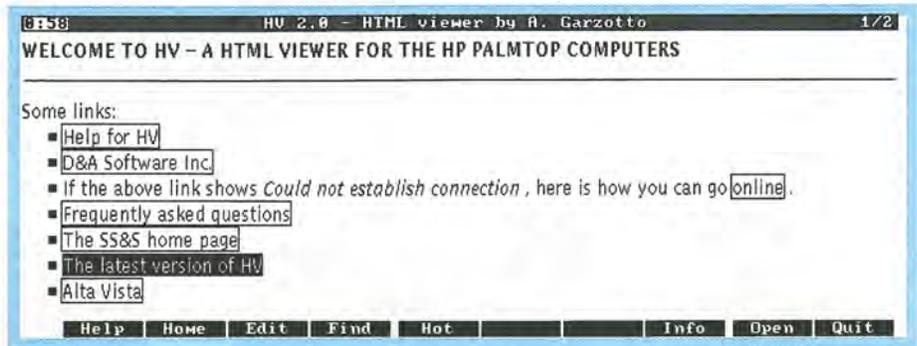
admin@palmtop.com

408-450-3467

needed have to be loaded, requiring less system memory.

Installing WWW/LX

WWWSETUP is the program that lets you configure WWW/LX. I installed the program on my HP



The HV HTML viewer initial screen.

OmniGo 700LX. The process is almost identical on the HP 100/200LX. First, I created a subdirectory on the C drive of my 700LX, and copied all the necessary WWW/LX files into it. This includes the WWWSETUP program, the WWW program and its configuration file and documents, and the HV files.

I ran WWWSETUP.EXE and it asked me for my users registration number as a copy protection. Then, I indicated where I wanted HV to

be installed (you can put it into any directory you want), and where I wanted to install the WWW/LX cache file. The cache file is used to store the addresses of Web sites that you've already looked up once, so you don't have to do it again.

Finally, I selected WWW/LX's preconfigured configuration profile for CompuServe (my ISP), and hit **ENTER** to set up my connection. I made the following modifications to the profile: I selected "OmniGo" as the modem type, "9600" as the baud rate, and inserted the phone number of the local CompuServe node. I also had to enter my CompuServe user ID and password. I didn't need to change any of the other parameters.

Finally, I created an Application Manager entry for the WWW.EXE program.



WWW/LX's setup program lets you specify the location of the cache file and select a a preconfigured configuration profile for CompuServe and other Internet Service Providers.

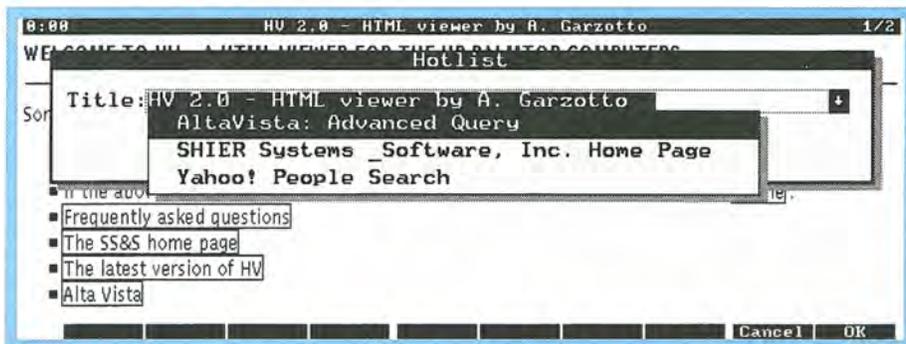


WWWSETUP's CompuServe configuration profile, showing modem type, baud rate, CompuServe's node phone number, CompuServe user ID and password.

Running the program

Running WWW/LX is done by selecting its icon in AppManager and hitting **ENTER**. WWW/LX will dial the ISP, and launch the HV version 2.0 browser as soon as the physical connection is established using a modem.

The graphic at the top of this page shows the initial screen displayed by HV. Since there is no mouse on the Palmtop, HV does not underline links, but draws a rectangle around them. Links can be highlighted using the TAB or cursor movement keys. Press



WWW/LX hotlist — a list of your favorite Web pages.

ENTER to select a link and HV jumps to the corresponding page.

When several links are on the current page, it is often faster to just type the first letter of the link — the selection will immediately jump to it. If several links start with the same letter, just hit it repeatedly. For example, to highlight "The latest version of HV" in the previous screen, I simply pressed "T" twice.

HV makes the most frequently

used functions available through the Palmtop's function keys. Their labels are displayed on the bottom of the screen as usual:

F1 — The "Help" key will pop up extensive online help — in HTML format itself, of course.

F2 — With "Home", you can return to HV's startup page (that has a few links to useful pages) or to

another "favorite page" of yours.

F3 — The "Edit" key is for those of you who want to design your own HTML pages - an editor (MEMO by default) will be called with the HTML source of the page currently being viewed.

F4 — The "Find" key will search the current page for a given text.

F5 — The "Hot" key will pop up your hotlist - also called "Bookmarks" list in other browsers. This is the collection of your favorite pages. You can go to a page already in the list, add the current page to the collection, or delete an entry (see screen above).

F6 & F7— The "Back" and "Fwd" keys let you navigate backwards and forwards in the history of pages you visited.

F8 — The "Info" key shows information about the current page

Special Offer

Flash Card & PC Drive Combo

- 5MB ATA Flash and Drive.....\$299.00
- 10MB ATA Flash and Drive...\$435.00
- 20MB ATA Flash and Drive...\$695.00

PC Card

- 5MB Card Alone.....\$269.00
- 10MB Card Alone.....\$405.00
- 20MB Card Alone.....\$675.00

Memory Cards

- 1MB SRAM.....\$129.00
- 2MB SRAM.....\$199.00

Call for Complete Catalog
MC - AMX - VISA Accepted



953 E. Juanita Ave., Suite A
Mesa, Arizona 85204
Tel: (602) 892-0954 • Fax: (602) 892-0029
Web Page: <http://www.envoydata.com>

1-800-368-6971



Announcing — The Ultimate Light for Handheld Computing!

Ultimate Palmtop Computer Light™ Ends Non-backlit Screen Visibility Problems

- ◆ Allows productive use of time in dim planes, trains, autos, hotels & mtg. rooms
- ◆ Evenly illuminates display, keyboard and work area without disturbing others
- ◆ Top-quality, patented design for any PDA/Pocket Organizer/handheld video game
- ◆ Sleek, compact, lightweight
- ◆ Essential tool for mobile professionals
- ◆ Includes soft travel case, (6" x 2-3/16" x 1"), DC Vehicle Adapter w. hi-lo dimmer + four spare bulbs -- clear & red (for night use)
- ◆ Uses AA batteries (not included)
- ◆ 30-day, money-back guarantee
- ◆ Only \$29.95 for PCL 300 (\$24.95 for PCL 200 w/o DC Vehicle Adapter) + \$3 USA shipping/handling

To Order, Call:

800-771-3600

<http://world.std.com/~asf1>

Amex/MC/Visa



ASF Assoc. Ltd. • The Personal Portable Lighting Experts
Box 625, Merrick, NY 11566
Volume Pricing Available
Fax: 800-625-6897 • 516-868-6897
Phone: 800-936-3638 • 516-868-3638

Easy File Transfer Between Your Palmtop and Desktop



Add the SCT CL680 Card-Link to your desktop PC:

- Fast—80,000 Bytes/sec
- Easy to use—works just like a floppy disk drive
- Convenient—plug-in installation to your parallel printer port
- Reads /writes SRAM and FLASH cards

Only \$189.95

Steele Creek Technologies, Inc.
14035 Appling Lane
Charlotte, NC 28278
Phone or Fax: (704) 588-1780

being displayed, as well as the current link and the amount of free memory currently available to HV.

F9 — The “Open” key lets you specify a so-called “Universal Resource Locator” (URL) and go there directly. For example, to visit the Hewlett-Packard Handheld Homepage, you would hit **[F9]** (Open) and enter: <http://www.hp.com/handheld>.

The dialog box that pops up when you select “Open” also includes a drop-down list with a history of sites you visited this way.

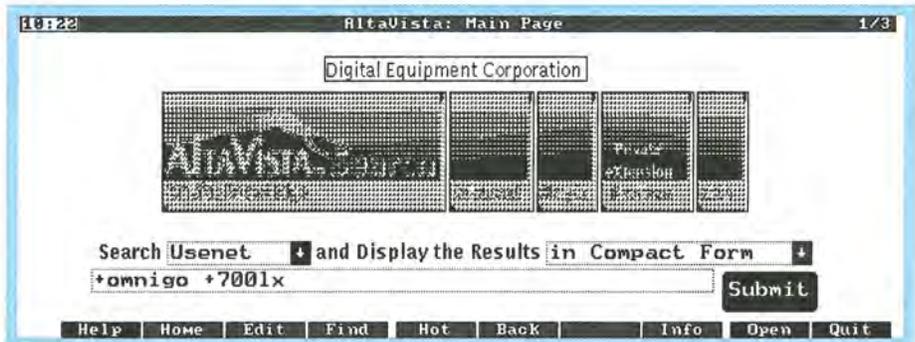
A few interesting Web sites

The following are screenshots of some Web sites I visited with HV.

The first screen above shows HP’s new “Handheld” page. It can be found at <http://www.hp.com/handheld>. (Note that HV detected



Opening page for the HP Handheld Web site.



Opening screen for Digital Equipment’s ALTAVISTA search program. The topics “omnigo” and “700lx” have been entered in the search box.



After using AltaVista to search for “omnigo” and “700lx” the following page was displayed.

the use of JAVA applets on this page, and notifies the user that this is not supported. JAVA requires a fast 32 bit machine with at least 8 megabytes of memory to be able to run.)

The second screen from the top shows Digital Equipment’s “AltaVista” search engine (<http://altavista.digital.com>). This service lets you search the World Wide Web as well as Internet Newsgroups for specific topics. I searched on the words “omnigo” and “700lx”. The result of this search is shown on the third

screen. To display a newsgroup posting, I would select the desired title, and press **[ENTER]**.

The screenshot at the top right of page 18 was taken in the middle of a “File Transfer Protocol” (FTP) download from the eddie.mit.edu FTP site. The file being downloaded is C&H-TC.ZIP (a collection of Calvin and Hobbes topcards), you can still see it highlighted. To connect to an FTP server with HV, you would hit **[F9]** (Open), and enter the servers name, directory and filename (if you know it). To

HP 200LX MEMORY UPGRADES

Now all NSW Memory Upgrades include a free copy of Software Carousel! Retail value \$69!

Think of what you could do with more memory!

NSW makes this possible at incredibly LOW Prices!! NSW will upgrade your HP200LX or HP1000CX from either 1MB or 2MB to 5MB or 6MB total internal memory for only \$229, including installation. Worried about your HP warranty? Only NSW offers a warranty on both our memory module AND your HP Palmtop for up to 1 full year. Call or write for details.

Thinking of getting a new palmtop?

Check out our NSW modified systems. All palmtops sold by NSW are backed by a full 1 year written warranty.

Brand New HP 200LX with 6MB internal memory:	\$829.00
Brand New HP 200LX with 5MB internal memory:	\$709.00
Brand New HP 1000CX with 5MB internal memory:	\$619.00

Flash for your HP200LX Palmtop

Sizes are not compressed. ATA cards are for use in HP 200LX and 1000CX only.

Part Number	Description	Actual Formatted Size	Price
ATA-04MB	4MB ATA Flash Card	3.35 MB	\$125.00
ATA-08MB	8MB ATA Flash Card	7.45MB	\$185.00
ATA-12MB	12MB ATA Flash Card	11.23MB	\$239.00
ATA-16MB	16MB ATA Flash Card	15.16MB	\$289.00
ATA-20MB	20MB ATA Flash Card	18.54MB	\$339.00

SAN-ATA02MB	Sandisk 2mb ATA card	\$125.00
SAN-ATA04MB	Sandisk 4mb ATA card	\$159.00
SAN-ATA10MB	Sandisk 10mb ATA card	\$299.00
SAN-ATA20MB	Sandisk 20mb ATA card	\$499.00
SAN-ATA40MB	Sandisk 40mb ATA card	\$899.00
SAN-ATA85MB	Sandisk 85mb ATA card	\$1,899.00

EXP LXM FAX/MODEM

When you need fast communications in your palmtop, the EXP ThinFax LXM series fax/modems with FLASH memory are ready to do the job with 14.4Kbps data and fax coupled with either 2MB, 4MB, or 8MB high speed FLASH memory. Installation and MiniFax software are built in ROM for maximum reliability. EXP ThinFax LXM cards are Stackler 4.0 compatible.



- 14.4K bps send/receive data and fax
- HP System Manager compliant Fax software
- 2MB, 4MB or 8MB FLASH Memory
- Lifetime Warranty

2MB	\$259
4MB	\$329
8MB	\$439



PALMTOP POWER T-SHIRT \$15 ea.
FREE with purchase of EXP LXM card. While supplies last.

PALMTOP HANDBAG

The Palmtop handbag from COAST provides a portable office solution. Room for your Palmtop or OmniGo, paper, pen, business cards, and even a cell phone. This soft leather bag originally sold at over \$120, NSW has a limited supply available for



ONLY \$49.95

THE POUCH

The POUCH is the perfect casual case for the Palmtop or OmniGo 100. Made of waterproof neoprene, the POUCH will protect your palmtop from dings and dirt. Specify OmniGo or Palmtop model when ordering.

Only \$15.95 each.

MODEM SAVER

Don't risk your modem to an unsafe telephone line. Test the socket before you plug in. Color LEDs indicate jack status. No battery needed.

Only \$24.95



EXP BASIC LX

The Basic LX features a 1200 baud modem, 9600 baud fax and world famous MiniFax software build into the card. Orig. \$199, now only **\$119** while supplies last.



HP OMNIGO 100



OmniGo 120 in stock	*369
HP-F1310 OmniGo 100	*309
HP-F1311A OG Connectivity Pack	*95
HP-F1312A Clip & Go	*65
HP-F1313A Strategy Games	*45
HP-F1314A Pen pack (3 pens)	*9.99
HP-F1015A OG to PC cable	*22
1MB SRAM memory card	*109
2MB SRAM memory card	*215

HP 200LX PALMTOP



NSW-F1065A	HP200LX 5MB	*709
NSW-F1066A	HP200LX 6MB	*829
NSW-1000CX/5	HP1000CX 5MB	*619
HP-F1060A	HP200LX 1MB	*495
HP-F1061A	HP200LX 2MB	*619
HP-F1011A	AC Adapter	*35
HP-F1021B	Connectivity Pack	*99
HP-F1015A	LX-PC serial cable	*22
HP-F1016A	LX-MAC cable	*22

HP ACCESSORIES AND CABLES



Accurite PCMCIA floppy drives 110V	*229
Accurite PCMCIA floppy drives 220V	*249
GA935 Serial/parallel converter	*55
GA945 Direct HP-parallel cables	*75
SHI-PJ HP-Pentax cable	*29
Shier acCIS Version 3.1a	*69
IntelliLink File conversion software	*85
ASF PCL-300 palmtop light	*29
Cable-card retractable phone cord	*8

BATTERIES FOR PALMTOPS

1200mAh NIMH	*15/pair
ABC/LX Advanced Battery Charging & management software	*34

PENTAX POCKETJET PORTABLE PRINTER



- PCL-4 compatible
 - Weighs only 17.5 oz
 - Fast 3ppm printing
 - 300x300dpi resolution
 - Includes printer, battery, AC adapter, thermal paper and carry case
- | | |
|------------------------------|-------------|
| PEN-202007 PocketJet printer | *399 |
| SHI-PJ HP-Pentax Cable | *29 |

NSW

Notebook Supply Warehouse
Everything you need for mobile computing

13700 Alton Pkwy #154-281, Irvine, CA 92618
Tel: 714-753-8810, Fax: 714-753-8812
Internet Address: nswsupply.com
Compuserve Address: 73430,1336
Visit us online at: www.nswsupply.com



Payment accepted by MC, VISA, AE, Discover, COD Cash and Bank Wire Transfer. Government, Educational and Corporate Purchase Orders accepted. International orders, call 714-753-8810 or fax 714-753-8812.

FREE UPS SHIPMENT

(On orders over \$200 shipped within continental USA)

Prices and availability subject to change without notice. Member: National Association of Fraud Protection (NAFF).

BEST PRICE!



\$159⁹⁵

Smart Fax/Modem with 4 MB Flash!

HP200LX BUNDLE \$749⁹⁵
 HP200LX 2MB, Smart Fax/Modem w/4MB Flash



1-800-MPLANET

download CH-TC.ZIP I entered the following:

ftp://eddie.mit.edu/pub/hp95lx/hp100lx/c&h-tc.zip

Of course, user-friendly Web pages simply contain links to files that you can download via FTP, so that you don't have to type all this in.

The second screen from the top of this page shows how WWW/LX displays Web pages with embedded graphics. This particular page is the "Tips and Tricks" section of Shier Systems Web site. The tip describes the use of the undocumented icon editor on the Palmtop's D drive. Check out Shier System's "Tips and Tricks" department at <http://www.shier.com/tips.htm> for more on this.

The screen at the top to the right displays a page from an article in the German magazine "Der Spiegel" (at <http://www.spiegel>

```

4:44 ftp://eddie.mit.edu/pub/hp95lx/hp100lx/ 4/8
-r-xr-xr-x 1 anony mouse 8039 Dec 3 1994 bugs-tc.zip
-r-xr-xr-x 1 anony mouse 519 Dec 3 1994 ch-tc.txt
-r-xr-xr-x 1 anony mouse 14365 Dec 3 1994 ch-tc.zip
-r-xr-xr-x 1 anony mouse 7697 Mar 20 1994 cenvid.README
mous Press CTRL to interrupt
mous Receiving data...
mous 10294 bytes read
-r-xr-xr-x 1 anony mouse 40 Oct 27 1994 cursor.zip
-r-xr-xr-x 1 anony mouse 2640 Oct 21 1994 cursor.zip
-r-xr-xr-x 1 anony mouse 454 Dec 3 1994 daffy-tc.txt

Help Home Edit Find Hot Back Fwd Info Open Quit
    
```

This screen was displayed in the middle of a File Transfer Protocol download from the eddie.mit.edu FTP site. The file C&H-TC.ZIP is being downloaded.

.de). This page shows that the fonts that come with HV also include "foreign" characters. Graphics mode and Latin-1 fonts ensure that HV can correctly display pages in German, French, Swedish, etc. — an important point, especially for HP OmniGo 700LX users.

WWW/LX limitations

A few weeks ago, many people would not have thought that a

Palmtop Web browser was at all possible — certainly not one that could fit on the C drive of a 100/200LX and run from System Manager. But as nice as it is to have a Palmtop Web browser, one needs to keep things in perspective when comparing the performance of WWW/LX with the latest desktop Web browsers. Current desktop computers are more powerful than the Palmtop and can run the latest versions of NetScape and MS Internet Explorer that have features

```

28:29 Editing Icons on the 200LX 2/3
----- 200LX Icon Editor
accis
[Icon graphic]
[Text list]
    
```

This is an example of the editing screen with an icon loaded.

Notice that the details which give a "3-D" appearance in the normal size view are hard to see in the larger view of the icon. This illustrates the artistic talents needed to design a good icon for the

Help Home Edit Find Hot Back Info Open Quit

"Tips and Tricks" section of Shier Systems Web site, displaying a graphics and text in one screen.

```

23:46 Cybercash: Der virtuelle Geldverkehr 1/16
Cybergeld in der Kasse

Softwarefirmen und Banken kämpfen um die Vormacht im elektronischen Zahlungsverkehr der Zukunft. Neue Verschlüsselungssysteme sollen dem Kunden die Angst vor Computerdieben nehmen, Rechnungen werden virtuell bezahlt. Die Währungshüter sind skeptisch: Ungedecktes Digitalgeld könnte die Wirtschaft durcheinanderbringen.

Computer

Schwarze Kabel baumeln von der Decke. Die nackten Böden kleidet schlichter Zement. Während die unteren Räume des tristen Bürogebäudes nahe Leipzig noch auf das Wirtschaftswunder Ost warten, residiert in der obersten Etage der Jungunternehmer Josef Bugovics, 24. Der smarte Geschäftsführer der
    
```

Help Home Edit Find Hot Back Info Open Quit

Page from the German magazine *Der Spiegel*, showing how WWW/LX displays non-English language characters.

not available with WWW/LX.

For example, WWW/LX cannot do: Java, Javascript, NetScape plugins, ActiveX, VBScript, NetScape-specific extensions like FRAMEs, etc. WWW/LX cannot display .JPG graphics (although they can be displayed with an external graphics viewer). Finally, HV can display tables, but uses a fixed layout to display them. If a Website uses tables for laying out instead of using them for tabular data display, switch tables off in HV. The data will still be displayed, but will not be formatted as nicely.

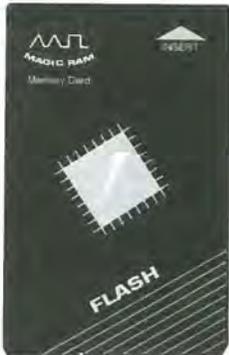
These are relatively new developments that are usually specific to the two competing big players: NetScape and Internet Explorer. These programs also require a 32 bit and/or Windows 95 or NT platform, a fast CPU, and lots of memory. It is not clear which of these desktop Web browsers will become the standard — the battle continues to rage.

Future directions

WWW/LX is more than the low-level work-horse or a Palmtop Web browser. It's a full-fledged Internet interface with assorted powerful application support.

A lot more interesting Internet-based applications are currently in beta testing, under development, or being considered for development. Imagine connecting to a UNIX host computer with TELNET, sending and receiving Internet e-mail, and reading Internet newsgroups all on the HP Palmtop, using an application with the same friendly interface the built-in applications have. The basis for all this is already there, in WWW/LX. And best of all, *you* decide which of these applications interests you. If you don't need one of these applications, there's no need to use up memory or disk space for it — just don't install it.

The MagicRAM Flash Storage Solution



- ✓ Low cost, high capacity storage
- ✓ No batteries required
- ✓ Super low power usage for longer palmtop battery life
- ✓ 50% less power draining than ATA Flash Cards
- ✓ High performance solid state technology
- ✓ Faster than ATA Flash Cards
- ✓ Write protect switch
- ✓ Withstands 1000G of shock
- ✓ Rugged stainless steel covers for maximum protection
- ✓ 4MB to 80MB using pre-loaded Stacker data compression
- ✓ Lifetime warranty

2MB Flash Card	(up to 2MB)	\$89.00
4MB Flash Card	(up to 4MB)	\$129.00
8MB Flash Card	(up to 8MB)	\$179.00
16MB Flash Card	(up to 16MB)	\$279.00
20MB Flash Card	(up to 20MB)	\$349.00
40MB Flash Card	(up to 40MB)	\$549.00
80MB Flash Card	(up to 80MB)	\$1199.00

*Distributor
and Dealer
Inquiries
Welcome*

To Order Call: 1-800-272-6242

1850 Beverly Blvd., Los Angeles, CA 90057 USA
Tel: 213-413-9999 Fax: 213-413-0828
e-mail: magicram@pacifinet.net
Internet: <http://www.magicram.com>



MagicRAM is a trademark of MagicRAM, Inc. Stacker is a trademark of Stac Electronics, Inc.

Project: Vision Gives You Planning In Your Palm For \$99

For HP 100/200 and DOS based PC's

- Features Include: *Free Demo PC Disk*
- One Hour Learning Curve
 - Uses 300K with Max file size from 80K to 1MEG.
 - Logic Networks, Timelines, Resource Histograms
 - Critical Path, Milestones, Variable Zoom
 - Mouse and keyboard operated for portability
 - NEW! Export to MS Project MPX Files

Inmax Publishing Ltd.

2673 Terrace Ave. North Vancouver, BC
Canada V7R 1B5

Tel: 604-980-9991

Fax: 604-985-5597

Pricing and Contact Information for products mentioned in this article

All prices are manufacturer's suggested retail price. It may be possible to purchase the product for less at third-party vendors.

WWW/LX — \$99

Online Web browser for the HP Palmtop.

Contact: *Shier Systems & Software*,
920 Hampshire Road, Suite A, Westlake
Village, CA 91361, USA; Phone: 805-371-
9391; Fax: 805-371-5495; E-Mail:
info@shier.com

Contact Europe and Asia: *Rundel*
Datentechnik, Rappenstr. 20, 73033
Goeppingen, Germany; Phone: +4 9 7161
14707; Fax: +49 7161 24473; E-Mail:
100023.2477@compuserve.com

Shareware/freeware mentioned in this article

C&H-TC.ZIP — Collection of Calvin and Hobbes topcards. Available on the Internet FTP site, eddie.mit.edu.

HV2.ZIP — Version 2.0 of the HTML viewer that lets you read WWW documents offline. Available on this issue of *The HP Palmtop Paper ON DISK* and CompuServe's HPHAND Forum, library 11.

N103-PT.ZIP — NetTamer suite of common Internet applications. Shareware. Available on May/June 96 issue of *The HP Palmtop Paper ON DISK* and CompuServe's HPHAND Forum, library 11.

Create and View World Wide Web Documents on the HP Palmtop

PalEdit and HV (free components of D&A Software's new WWW/LX) let you create and view HTML documents from the World Wide Web on your HP Palmtop PC.

By Ed Keefe

In the last 50 years computers have evolved from the ENIAC (a room full of vacuum tubes and patch cords used to calculate artillery trajectories in WWII) to the 486 PC sitting on my desk. The raw power of existing desktop computers is massive compared to the power of the ENIAC. However, even that power will be dwarfed as computers around the world are networked into Internet's World Wide Web.

The World Wide Web

Previous articles in the May/June 96 issue described the Internet and the World Wide Web. Internet is nothing more than millions of computers around the world connected via phone lines, using a common communications protocol. The World Wide Web is comprised of all those computers connected via Internet and exchanging information using "hypertext" documents. These documents can include text, graphics, animation, and even sounds. They also include hypertext "links" which let you quickly access information located in other documents on the Web.

For example, you might be using a "Web browser" program

on your desktop PC to read a hypertext document about the HP Palmtop. In the document you see the word "publications" bolded or in a different color, indicating that the word is a hypertext link. You use your mouse to point to and click on "publications." *The HP Palmtop Paper* Web page appears on your screen, describing the publication.

Documents on the Internet's World Wide Web all use a technology known as HyperText Markup Language. HTML is a technology in progress. It's only been around for a few years but it's already in its third revision, HTML-3. The technology started as a simple way to send text from one computer platform and have it interpreted on any other platform. It has evolved into a medium that can send not only text but pictures, sounds, and

animation. The advance in HTML technology has encouraged the development of a spate of tools to work with the technology. Foremost among these tools are Web editors and Web browsers. Web editors let the developer create HTML documents. Web browsers let others view these documents.

Creating HTML documents with a Web editor

There are a dozen or so Web editors available for a desktop PC, as shareware or commercial software. A good Web editor will cost you about \$50 to \$150. If you don't have a Web editor, you can use a text editor to create HTML documents. The advantage to using a Web editor is that it contains macros, hot keys,



ABOUT THE AUTHOR

Ed Keefe is an author, programmer, computer science instructor, and long-time contributor to support publications for HP computers. He is also the president of the FastAid Company, 314 S.W. Logan, Ankeny, IA 50021, U.S.A. Ed's CompuServe ID is [75300,3667].

```

Memo: HOWTO.HTM          09/05/96  2:28 pm
INSERT  ASCII  LINE: 1  COL: 1
1 2 3 4 5 6
<HTML>
<HEAD>
<TITLE> Project Management: How To</TITLE>
</HEAD>
<BODY BGCOLOR=#EEFFEE>
<h1><center>How To Create An HTML Document</center></h1>

<p>Documents on the Internet's <strong>World Wide
Web</strong> all use a technology known as <em>HyperText
Markup Language</em>. HTML is a technology <em>in
progress</em>. It's only been around for a few years but
it's already in its third revision, HTML-3. The technology
started as a simple way to send text from one computer
platform and have it interpreted on any other platform. It
Help Bold UnderIn Find Fnd&Rep PrntFid Promote Demote Open Save

```

Sample HTML document as displayed by the built-in Memo program. Note that you see the text and the HTML "tags" in the document.

and tool bars that make it easier to embed special HTML tags in the text. These tags specify the size of text, the display font to be used, that a word is a link, and more. You can get a list of the HTML code and enter these tags manually using almost any word processing program. However, you can count on doing a lot of extra typing and making a lot more mistakes.

Whether you use a Web editor or a word processor, you begin an HTML document by typing in your text or importing text from another source. You then use the Web editor's tools to format the document, in much the same way you format a document with a word processor or desktop publishing program.

The above screen shows the HTML document HOWTO.HTM loaded into Memo. You can read the text and even see the Hypertext Markup tags, but to see how the document looks on the Web, you need to view it with a Web browser (also called a Web reader).

There are about half a dozen Web browsers on the market. The most popular is Netscape's Navigator. It sells for around \$50. Microsoft is giving away their new Internet Explorer browser in an attempt to knock Navigator out of first place.

PalEdit for the HP Palmtop

There are currently no Web editors for the HP Palmtop. However,

there are several good text editors that you can use, including the built-in Memo program, VDE, TSE(Jr), Freyja, and a newer program called PalEdit.

PalEdit was developed by Andreas Garzotto, who has previously given HP Palmtop users his HV (Hypertext Viewer) program. Andreas is the author of WWW/LX, reviewed on page 12. HV and PalEdit are components of WWW/LX.

Andreas used the Palmtop Application Library (PAL) to give PalEdit the look and feel of the Palmtop's built-in applications. Everything about this editor is "just right," including the price: it's free.

At the top of the next page are two screen shots of PalEdit. The first one shows the opening screen. If you start PalEdit (PE) without specifying a file name, it will display a "pick-list" from which you can load any one of 10 files that you may have been working on previously. The second screen shows PalEdit with the PalEdit readme file (PE.DOC) loaded.

PalEdit has many features that will let you work on text documents, HTML documents and computer programming code. Here are a few of PalEdit's features:

- Files are not limited in size
- Several files may be open at the same time
- Two clipboards available for cutting and pasting

IntelliLink[®] for Windows™

Now Supports
HP OmniGo 100!

- ✓ **Transfer and translate data in one step**
Direct, one-step transfer and translation between your HP Palmtop and supported software applications.
- ✓ **Reconcile data conflicts**
IntelliLink reads and compares data at the field level, identifying conflicts. You then specify the action to be taken: Add, Ignore, Notify, Replace, Update. Items can even be modified directly on the screen during transfer.
- ✓ **Specify exactly what data to send and where**
Use custom field maps and filters to customize your transfer. Transfer only the data you need; ignore what doesn't need to be updated.

Supported Applications

ACT! for Windows 1.1/2.x	Commence 2.x	Excel 5.0/7.0	PackRat 4.1/5.0	Windows
Advantage 1.0	Day-Timer Organizer 2.x	Lotus Organizer 1.x/2.1	Paradox 3.5/4.0/5.0	Cardfile/Calendar
ASCII (CSV)	dBASE III/IV/V	Schedule+ 1.0/7.0	Sidekick 2.0 for DOS	Word for Windows 6.0/7.0
CalANdar 2.55/3.11	ECCO 1.x/2.x/3.x	Now Up-to-Date	Sidekick for Windows 1.0/2.0/95	Wordperfect for Windows 6.0

IntelliLink for Windows - \$99.95

**Using IntelliLink for file transfer between the Palmtop and desktop works like a charm.
 The HP Palmtop Paper, Nov/Dec 1995*
**IntelliLink is the only solution for keeping network-based scheduling and contact information synchronized with your PDA. PC Week, April 17, 1995*

IntelliLink w/HP serial cable - \$124.95

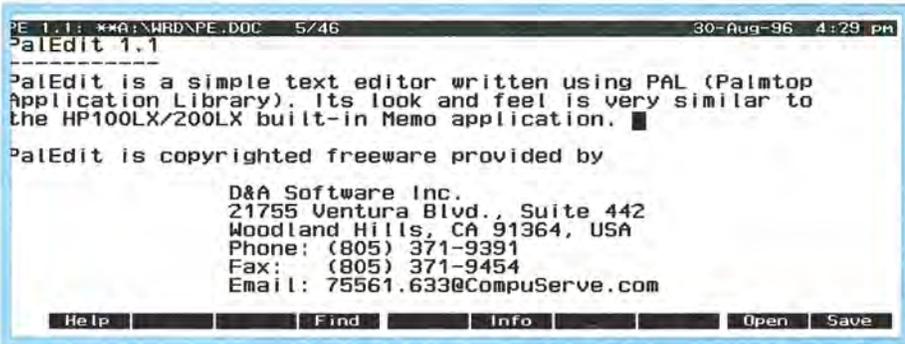
Runs on Windows 95
 All company and product names are trademarks of their respective companies
 Features listed here are correct at time of press but subject to change without notice.

Call to order today!

IntelliLink Corp.
 One Tara Blvd., Suite 210
 Nashua, NH 03062
Tel: (603) 888-0666
Fax: (603) 888-9817
<http://www.ilink-corp.com>



PalEdit opening screen displaying a "pick-list" that lets you select the document you want to load.



PalEdit with document loaded.

- Fast search and replace feature
- Keyboard macros
- Emacs keyboard compatibility
- Memo keyboard compatibility
- Connects to program compilers
- Handles many DOS "filters"
- Send and receive mail with WWW/LX (see review, page 12).

PalEdit has a very useful search function. Like the built-in Memo program, you press **F4** to access it. But unlike Memo, all you do is start typing the word you're looking for. PalEdit does an incremental search, hopping to the most likely word as you type. You usually find the word by the time you've typed in the first three or four letters.

As with the Palmtop's built-in programs, you press **F1** to access PalEdit's Help screen. It is not context-sensitive like the Palmtop's Help feature. However, the help file is an ASCII text file that can be modified. I like this because it lets me add the code references for the HTML tags to the file and have them available at the press of the **F1** (Help) key. In addition, I use

PalEdit's keyboard macro feature to automate the insertion of HTML tags into a document. I have macros for the tags I use most often. When I want to insert the tag, I just press the macro key. The rest is automatic, just like a Web editor.

HV  lets Palmtop users view hypertext documents

The other side of the HTML coin is a Web reader. Palmtop users have had their own Web reader, HV, for

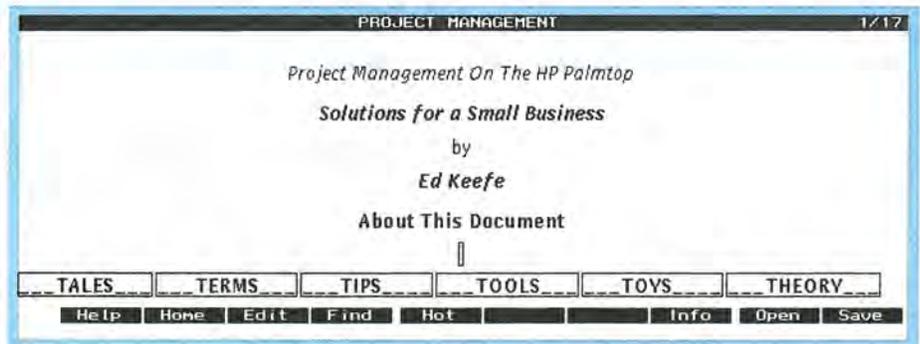
almost a year. Recently HV has been upgraded to make it conform more closely with the current HTML standards. It still works well on the HP Palmtop and makes it easy to use your pocket PC as an Internet off-line reader. (Note that a commercial on-line version which uses HV is now available. See the review of WWW/LX, page 12 of this issue, for more information.)

You can use a desktop Web browser or WWW/LX on your Palmtop to capture text and pictures from any number of Web sites. Once the files are on the Palmtop you can take them with you and use HV to read at spare moments.

Since most of the documents on the World Wide Web contain graphics designed for machines with 640 X 480 VGA color monitors, the HP Palmtop will always have trouble displaying these high resolution graphics. HV lets you turn off the graphics display and speed up the reception and display of text. Alternatively you can use an external graphics interpreter such as PICEM  to display those graphics that HV can't handle.

Create your own HTML development environment with PalEdit and Hypertext Viewer

You can install PE as the editor of choice in the HV configuration file. Then, you can run HV and view an HTML document. When you want to switch from viewing to editing,



The opening screen the HTML viewer HV, showing the first page of an HTML document titled "Project Management on The HP Palmtop."

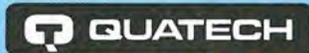


Add a Printer Port to your HP Palmtop

The capabilities of the HP-Palmtop are now expanded by using Quatech's SPP-100 Parallel/Enhanced Parallel Port PCMCIA card. The SPP-100 adds a new dimension for Palmtop users by adding not only IBM PC parallel port capabilities, but also providing hardware support for the

IEEE 1284 bidirectional EPP standard. Besides printer applications, the SPP-100 offers users a needed interface to popular external storage tape drive units.

This Type II card includes a cable which features a standard DSUB-25 for easy connection to external peripherals. A client driver and an enabler program are also provided for customer configuration and use. The SPP-100 is FCC and CE certified and can be purchased directly from Quatech or through its network of international distributors. For further information call 800-553-1170 or 330-434-3154.



From Application to Solution

just press **F3** (Edit) key and PalEdit will automatically load the source document and let you make additions or corrections. When you've finished editing just quit PalEdit and you'll return to HV where you can immediately view the results. It's all very slick.

Producing pictures on the Palmtop and desktop

One of the trickier tasks in creating an HTML document is getting graphics that look good. The task becomes even trickier when you're dealing with two different platforms: a high-speed desktop with SVGA monitor and a low-speed Palmtop with CGA grey-scale display. To do the job, you need a number of tools on both the desktop and the HP Palmtop.

I use a graphics capture program called GEMCAP **F4** to create 640 X 200 pixel graphic images that display properly on the Palmtop's screen. GEMCAP captures a Palmtop screen and stores it in Ventura Publisher's .IMG graphics format. I use another shareware program called Graphics Work-

shop (DOS version GR43.ZIP) to convert .IMG files to .GIF and .EXE files. The older versions of this program work on the Palmtop and let you create self-displaying files as well as reverse image GIF files. The reverse image files are needed if you plan to view the pictures on a desktop computer.

Finally, you'll need a good graphics program on your desktop PC to modify or fix .GIF files. I use Paint Shop Pro to "tweak" .GIF files that have been created on the Palmtop. I have occasional problems with .GIF files. The external graphics display program PICEM displays .GIF files properly on the Palmtop. However, the same program sometimes causes my desktop PC to crash when displaying the .GIF. If you load the "bad" .GIF file into Paint Shop Pro and then save it back to disk, the problem goes away.

Time will tell

Creating HTML documents is not something to be undertaken lightly. The current "state-of-the-art"

demands a lot of software and hardware. I've tried to give you some idea of what works and what doesn't.

Producing an HTML document is also very time-consuming and demands a good feel for using text and pictures to communicate an idea. Also, I'm not so sure that HTML and the World Wide Web are the great communication medium they are made out to be in the press. They may develop into something unique and powerful or they may go the way of the CB radio. Time will tell.

Shareware/freeware mentioned in this article

Freyja — Text editor for the HP Palmtop. Freeware. Available on Mar/Apr 94 issue of *The HP Palmtop Paper ON DISK* and CompuServe's HPHAND Forum, library 7.

GEMCAP — Captures screen graphics in .IMG graphics format. Available on Nov/Dec 94 issue of *The HP Palmtop Paper ON DISK* and CompuServe's PCUTIL Forum, library 3.

GR43 — Converts graphics files between different formats. Available on CompuServe's UKSHARE Forum, library 17.

HV2.ZIP — View HTML formatted documents off line on the HP Palmtop. Available on this issue of *The HP Palmtop Paper ON DISK* and CompuServe's HPHAND Forum, library 11.

PalEdit — Text editor with look and feel of the Palmtop's built-in applications. Freeware. Available on this issue of *The HP Palmtop Paper ON DISK* and on CompuServe's HPHAND Forum, library 11.

PICEM — Displays .GIF graphic files. Available on the Jul/Aug 94 issue and CompuServe's IBMNEW Forum, library 5.

TSE(Jr) — Text editor. Available on CompuServe's PCTECH Forum, library 16.

VDE — Small, powerful text editor. Shareware. Available on *Best Tips 96 ON DISK* and CompuServe's HPHAND Forum, library 7.

Find it Fast



.....with Flexpad

Replace most of your built-in applications with a surprisingly flexible text editor.

By Ralph Alvy

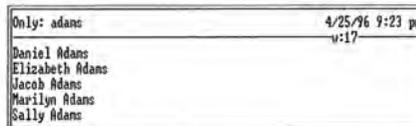
For the past few weeks I haven't been using my Palmtop's Appointment Book, Phone Book, Database, Notetaker, and Memo. In fact, I've stopped using one of my favorite third-party software programs, MicroLogic's InfoSelect. The new object of my affections is Flexpad , a surprisingly flexible text editor authored by Paul Kramer.

Flexpad provides fundamental text operations, including edits, searches, and cuts-and-pastes. But Flexpad's unique flexibility and power comes from its Views and Labels features.

The Only View

The View feature lets me quickly look at different data I've collected. For example, I can use the "Only View" feature to display each line of a text file containing a specific word or phrase. I have a text file containing contact information (i.e., names, addresses and phone numbers — data normally held in HP's Phone database). If I use Only View to search for "adams" I get a screen similar to the one at the top of the next column, showing all the Adams in my file.

Note that the text searched on is displayed in the upper left cor-



Flexpad's "Only View" showing all the Adams in the Flexpad file. Highlight bar rests on the first match (visible on Palmtop, but not on this graphic).

ner. A highlight bar rests on the first match (Daniel Adams). I can use the ArrowKeys to move the highlight bar to any match. When I press **ENTER**, Flexpad displays the entire text file in Text View and puts the cursor on the line I selected in the Only View. So if I selected Daniel Adams and pressed **ENTER**, Flexpad would take me to the section of my text file with that line, allowing me to review or edit my contact information on Daniel.

The Palmtop's built-in Phone Book and Database program let you specify categories for each entry, to help you narrow down searches. For example, you can

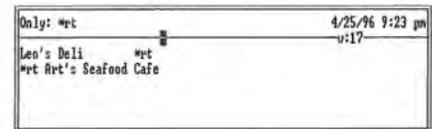
associate Phone Book entries with the category "Restaurant" and create a Subset that will let you display only the Restaurants in your Phone Book.

You can do a similar thing with Flexpad's Only View and its Label feature. Let's first look at the solution using Only View. Say I have contact information for restaurants listed in the text file I described above. Somewhere in each restaurant listing, I might type '*rt' to signify that this is a restaurant listing. The entries might look like this:

Leo's Deli *rt
123 Elm St.
Los Angeles, CA 90024

*rt Art's Seafood Cafe
345 Oak St.
Santa Monica, CA 90403

I could then do an Only View search on '*rt' to get a display like the this:



An OnlyView search on *rt displays a list of the restaurants in the file.

As in the previous example, I can highlight either entry and press **ENTER** to get additional contact information. Note that it doesn't matter where '*rt' occurs on any given line. Since a Flexpad file can be as large as available memory can accommodate, it can be quite large, allowing a single file to house all my Phone, Database, and Notetaker data.

ABOUT THE AUTHOR

Ralph Alvy is a chiropractor in Santa Monica, California. When not treating patients (or scheduling them with his HP 200LX), he's helping DataPerfect application developers with their relational database problems in his role as a CompuServe Sysop at WordPerfect Users Forum (WPUSERS), CompuServe ID: 71333,2075. Ralph also frequents CompuServe's HP Handhelds Forum.

Other Views use Labels to organize your data

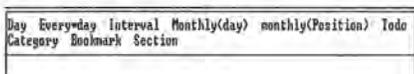
One way Flexpad helps organize your data is by letting you assign one or more "Labels" to a specific block of text. For example, you could assign the Category Label "HOME" to a paragraph that describes your plans to remodel your living room. You can then View all entries with the "HOME" Label attached.

Flexpad provides a number of Label options to let you view your data in different ways. You can create a number of different "Category Labels" to view data related to, say, HOME projects, WORK projects, FUN things to do, etc. "Section Labels" mark the start of a new subject in the file. You can place a "Bookmark Label" anywhere in a text file and jump back to it quickly.

As with the above Only View example, once you've located and highlighted the labeled text, you can press **ENTER** to view the text associated with the label. Unlike the Only View, however, only the text to the right of the label is displayed. This means that you should place the Label at the beginning of the text you want associated with it.

Time specific Labels let Flexpad replace Appointment Book

Flexpad lets me insert time specific Labels in a text file, providing an easy way to track appointments and Todos. For example, I pressed **F9** to go to the Insert Label menu: To enter an appointment I select Day from the menu. I can also select Todo or a number of other



Flexpad's Insert Label menu.

options. When I select Day I get this dialog box with Flexpad's current date filled in as its default:

Flexpad's Appointment dialog box lets you select the Date, Time, and Alarm status for your appointment.

If I really wanted a Todo, but chose Day by mistake, I can press **F3** at this stage to convert the Appt dialogue to a Todo dialogue, with its Priority field filled in with whatever I've configured as my default Priority:

Flexpad's Todo dialog box lets you select the Date, Priority, and completion status for your Todo.

After filling in the Time and Alarm information, I press **F10** and insert a description of the appointment. After inserting a few Appt and Todo Labels in the file, along with their text descriptions, I might have something like this in Text View:

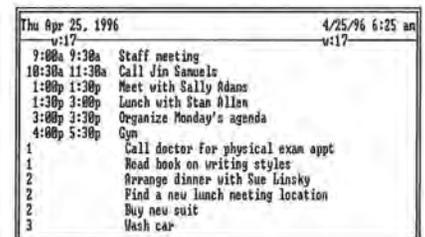
- 4/25/96 9:00a-9:30aTalk with Sue
- 4/25/96 9:30a-10:00aMeet with Jim
- T:4/29/96 P:1 Call about Santa Barbara vacation
- 4/24/96 9:00a-9:30aConference call with Jack
- 4/24/96 8:30a-9:00aStaff meeting
- T:4/25/96 P:1 Arrange Hapkido class for Jason

Note that some of the above entries are appointments and some are Todos, and that they're just in the order I entered them. I use Flexpad's Views option to sort them into a useful order. First I press **F3** to call up the Views menu (top of next column).



Access Flexpad's Views options menu and select Day to get a sorted view of day's appointments.

As you can see in the above menu, there are a number of different views available. If I choose Day (for Day View), I get a sorted display of date-labeled lines for the date Flexpad is set for. Normally this is the current date, but you can change this (described below). The display will look something like this:



Flexpad's "Day View" screen, shows current day's appointments ordered by time and Todos ordered by priority.

In the above Day View screen, the date of the appointments and Todos is displayed in the upper left corner, above its week number. The system date (i.e., the current date), time, and week number are displayed in the top right of the screen. Then come the appointments for the selected date, sorted by time, followed by incomplete Todos for that date or earlier, sorted by priority. Hitting **H** hoists the first Todo to the top of the screen, and hitting **H** again hoists the first appointment to the top (similar to toggling between **F9** and **F10** in Appointment).

I can move to the next or previous date in Day View by pressing **+** or **-**. I can go to the next or previous week with Right or Left Arrow. Similar conventions hold in weekly and monthly Views. In all Views, pressing **F5** prompts me to "Goto date?" At that point, I can enter a different date or hit **F5** again to see a pop-up calendar (like the one you see

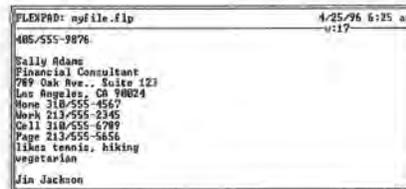
when you press **[F5]** in HP's Appointment Book). From here I can move the cursor with the ArrowKeys to select the desired date.

Whenever I press **[F5]** and am prompted for a date, I have yet another powerful choice. I can enter a one- or two-digit numerical string for the next occurrence of a numbered date. For example, I would enter '21' for the next occurrence of the 21st of a month. I can also enter a two-character string for the next occurrence of a given day. For example, I would enter 'mo' for Monday), 'to' or 't' for today's date, 'y' for yesterday's date, or 'tm' for tomorrow's date. Press **[ENTER]** and that day's appointments and Todos are displayed.

Flexpad allows data to be viewed by the week, month, and other ways — but so does HP's Appointment Book application. Let's see what Flexpad offers that Appointment Book doesn't.

Let's say I see today's schedule shown in the previous screen, and want to call Sally Adams before our 1:00 p.m. meeting. Using the Palmtop's built-in applications, I would have to switch to Phone Book to look up Sally's phone number. With Flexpad I simply do an Only View on 'sally adams' to get the following display:

by the date and time of the appointment, followed by a plain text describing the appointment). The third has no Label, composed entirely of plain text, and is the first line of my entry for Sally Adams and her personal information. The fourth also has no Label, again entirely plain text, and is about a different person altogether. I move the highlight bar to the third entry and press **[ENTER]**. Flexpad now displays this in Text View:



Flexpad displaying Sally Adams contact information.

While talking to Sally, she asks me about a check I was supposed to send her. I press **[F4]** to return to the Previous View (which brings up the Only View on 'sally adams') and note the date associated with the first entry (i.e., the completed Todo telling me to send the check). She asks to change the time of our meeting, so I press **[F3]** (Day) to return to the Day View and see if there's an alternative time to meet her today.

I want to thank the people who referred new patients to me. I always put '*np' on the line that contains a new patient's first visit. I do an Only View on '*np' to display a list of new patients. I then do another Only View, this time on that patient's last name, to find my official entry of their personal information in my file. There I'll find the name of the person who referred them. One more Only View will take me to that referral source's phone number.

Weekly and Monthly views help further to manage time

The Weekly Grid View can be used, as it is below, to get an overview of the schedule for the week. I use it to see where new patients are this week (*NP* indicates this), and where further notes are included (I use '...' to indicate the entry has more than one line in Text View).

Mon 04/01/96 1:00p Ellen Adams 3:00p Gloria Samuel 3:30p Jim Rockefeller 4:00p *NP* Tom Sche 5:00p *NP* Jack Ada	Tue 04/02/96 12:00p Sally Foke 12:30p Jackie Breakho 4:30p John Lody 5:30p Suzanne Crimo 7:30p WPUSEK Group	Wed 04/03/96 11:00a Union Bank Setup ... 1:00p Dr Wallax
Thu 04/04/96 12:30p Linda Yukun 1:00p Ed Dourser 1:30p Ralph Himmer 2:00p Tony Goldman 2:30p Roz Buzzer 3:00p Lucy Gamble 4:30p Amy Treuter	Fri 04/05/96 1:30p Joseph Frouer 2:00p Harold Moxey 2:30p Jimmy Lee 4:30p Jackson Foley 5:00p Charlin No	Sat 04/06/96 5:30p DINNER & Concert: Robin et al ... Sun 04/07/96

Flexpad's Weekly Grid View displays appointments for the week.

Unlike Appointment Book's Weekly View, Flexpad's Weekly Grid View wraps lines when this won't interfere with other lines on the same day. Note that it wrapped on Wednesday and Saturday, but truncated instead of wrapping on Monday and Tuesday.

Monthly Graph Views

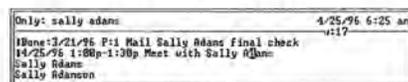
The vertical lines in the Monthly Graph View displayed on the next page show the time slots that are filled. The time intervals are set to

Other time management possibilities using Flexpad

Here are a few other ways I combine the use of the Only View and Labels, to offer me time management possibilities.

I'm on the road and have some time for some errands. I do an Only View on '*rd'. (I put '*rd' on any Todo line referencing an action requiring being in my car). Flexpad displays a list of only those Todos.

I have time to return some phone calls. I put '*cc' on any Todo line that's a phone call to make. I do an Only View on '*cc' and go from there.



Flexpad's Only View displaying entries associated with "Sally Adams."

The above Only View shows all lines in the text file that contain 'sally adams'. The **■** next to the first two lines in the above graphic indicates that a Label is attached to the text, as opposed to plain text. The first line displayed a completed Todo (a Todo Label with the date 3/21/96 in its Done date field, followed by plain text describing the Todo). The second is the appointment for the upcoming meeting (an Appt Label followed

FREE

WIRELESS E-MAIL

No Phones, No Wires – Stay In Constant Contact From Anywhere.

If communication is key to your success, you should know about this breakthrough for your HP Palmtop... WyndMail.

WyndMail enables you to send and receive wireless E-mail, send faxes, send to all alphanumeric pagers, send text-to-speech messages to any telephone, receive speech-to-text phone messages, and more – right from your HP Palmtop! You work effectively and efficiently – anywhere, anytime. WyndMail works with your HP Palmtop, Windows, Mac, Newton, and DOS systems.

Increase Productivity and Save Time and Money with WyndMail ... Yours FREE For 30 Days.

Does this sound like you?

- Your customers, vendors, associates and staff rely on you – they regularly need your help, direction, opinions and input ... and they need it fast.
- Every minute counts – you're too busy to waste precious time waiting for dial tones.
- E-mail is your lifeblood – it keeps your fingers on the pulse, keeps you in touch and on top.
- Your cell phone bills are outrageous – but you need to be connected wherever you are.

Reliable, Affordable Service.

You get reliable nationwide coverage without roaming charges, long-distance fees, or erratic cellular service transmissions. WyndMail uses the RAM Mobile Data Network, which covers 92% of the metro areas in the U.S., and packet radio technology assures that your E-mail, faxes, pages, and phone messages go through 99.999% of the time. Forget the interrupted transmissions, frustration and wasted time of ordinary cellular modems.

And if you have high cellular pager bills, WyndMail can save you big money. You only pay for data exchanged, not for airtime or call setup. **No roaming charges or dropped calls to pay for.**

Try It FREE!

You'll get free use of a wireless radio modem (\$500 value) during your 30-day FREE Trial.

After that, you can rent the modem (\$39.95/month), or purchase it if you prefer.

Along with the modem, you'll get unlimited FREE messaging. Take WyndMail with you for the next month. See how it fits into the way you work.

Act Now And Receive Our "20 Tips" Booklet, FREE!

We'll get your FREE Trial Agreement out to you right away ... your wireless modem will follow shortly thereafter. Simply call our toll-free number or fax us to get a wireless PC Card modem, WyndMail software, and easy-to-follow instructions for installing and using hardware and the software.

And if you act now, we'll send you absolutely FREE the informative booklet "20 Tips for Successful Remote Communications."

Don't let your out-of-office communications system slow you down any longer. Call now.

Try
WyndMail
FREE

**UNLIMITED MESSAGING
FOR 30 DAYS**

1-800-549-2600

Fax 1-800-549-6001

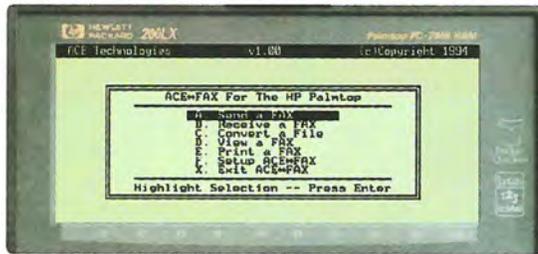
Confirmation Code: 609WM006



PALMTOP ACCESSORIES

ACE↔FAX

HP 100/200LX Send/Receive Fax Software



- ✓ Send, Receive, View and Print Faxes on your HP Palmtop
- ✓ Full installation in less than 200k of disk space
- ✓ Requires as little as 30KB on C: drive for modem card users
- ✓ Auto installation program included



ACE↔FAX Megahertz XJACK System

- ✓ HP 100/200LX compatible
- ✓ Pop-out telephone connection
- ✓ No external phone adapters
- ✓ Easiest way to send faxes



Direct Serial to Parallel Cable

- ✓ Connect to any parallel printer
- ✓ DIRECTcable version connects to HP Palmtop with no other cable required
- ✓ Powered by printer, no batteries
- ✓ Plug and play operation

Lower Prices!

ACE↔FAX for HP 100/200LX.....	\$29
ACE 14.4K Fax Modem with ACE↔FAX.....	\$139
XJACK 14.4K/14.4K Fax/modem + ACE↔FAX.....	\$139
ModemSaver (Test unknown modem jacks).....	\$25
CableCard (8ft phone cable in pocket card case).....	\$8
Serial to Parallel Cable (requires HP serial cable).....	\$69
Serial to Parallel DIRECTcable (no other cable required).....	\$79
Pentax PocketJet Printer with DIRECTcable.....	\$429
Pentax PocketJet DIRECTcable for HP Palmtop.....	\$35

HP CARRYING CASES

Custom Black Nylon case.....	\$16
Custom Black Leather case (shown).....	\$34
Deluxe Black Leather case (shown).....	\$44
Executive Black Leather Portfolio.....	\$54
Mini Executive Black Leather Portfolio.....	\$54

New Prices!



YOUR COMPLETE HP PORTA



200LX Systems with DoubleFlash⊕Plus

Available only from ACE, this complete package contains everything that you will need to start enjoying the full benefits of the HP 200LX!

- ✓ ACE↔LINK file transfer software with HP-PC serial cable
- ✓ DoubleFlash⊕Plus hi-performance storage card
- ✓ BATTman 2.0 + Two 1100mAh high capacity NiMH batteries
- ✓ AppMAN! gives you complete control of DOS applications
- ✓ HP world-wide universal AC adapter

200LX 1MB Systems with DoubleFlash⊕Plus

Lower Prices!

6M (up to 6MB)	\$769
10M (up to 10MB)	\$838
20M (up to 20MB)	\$958
40M (up to 40MB)	\$1,198
80M (up to 80MB)	\$1,658

HP 200LX Basic Systems

1MB with AppMAN!	\$499
1MB with ACE↔LINK, PC Serial cable, and AppMan!	\$519
2MB with AppMAN!	\$639
2MB with ACE↔LINK, PC Serial cable, and AppMan!	\$659

ACE SOFTWARE

ACE↔LINK

The simplest file transfer program for your 100/200LX

- ✓ No Palmtop Software to download
- ✓ Use FILER to view and exchange files with your PC
- ✓ Connects at speeds up to 115K
- ✓ No installation - Can run from a floppy

ACE↔LINK with serial cable (C1260).....\$39

BATTman version 2.0

Battery Management Software for HP 100/200LX

- ✓ Use NiMH, NiCd, Alkaline or Lithium batteries in your HP Palmtop
- ✓ Predictive algorithm prevents loss of your valuable data.

BATTman 2.0 Battery Management Software.....	\$39
BATTman 2.0 with 2 NiMH 1100mAh batteries.....	\$49
BATTman 2.0 with 4 NiMH 1100mAh batteries & charger.....	\$89
NiMH Battery Charger (4 AA capacity)	\$39
Two 1100mAh NiMH rechargeable batteries (AA size)	\$15

ABLE COMPUTING SOLUTION

OMNI^{GO}



New! OmniGo 100

HP's first combination Pen and Keyboard Organizer Plus.

OmniGo 100 Organizer Plus	\$319 ◀
F1311A PC Connectivity Pack with cable	\$99
F1312A Clip and Go	\$65
F1313A Strategy Games	\$47
GEN-PENS2 ACE Pen and Stylus (combo pen).....	\$11.95
GEN-PENS2D ACE Deluxe Pen & Stylus (Mont Blanc like)	\$22.50
GEN-PENS3 ACE Deluxe Pen, Pencil & Stylus (Tri-pen).....	\$34.95
GEN-A1015A OmniGo Serial Cable.....	\$19
GEN-SPDIR Serial to Parallel DIRECTcable Converter.....	\$79
PCMCIA SRAM Storage Cards <i>New Prices!</i>	
A1003 512KB ACEcard.....	\$89
A1004 1MB ACEcard	\$129
A1006 2MB ACEcard	\$229

RE SOLUTIONS



Magnify! version 1.1

HP 100/200LX Software Magnifying Lens

Our Best Seller!



Adjustable sizes 1X, 2X, 3X and 4X

Move lens with cursor keys

- ✓ Pop-Up magnification from 1X to 4X
- ✓ Hotkey activation in any Built-in Application
- ✓ Auto alignment with lines and columns in Phone Book
- ✓ Remembers and returns to last position in each application
- ✓ Move Lens with Quick Keys and Arrow Keys

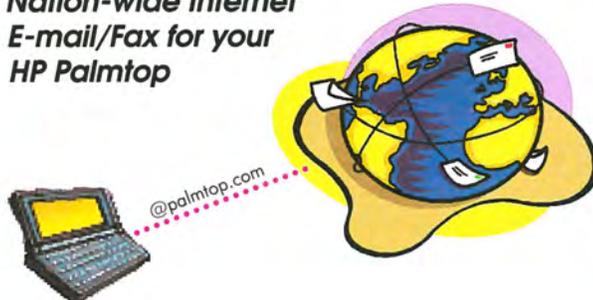
Magnify! (C1240) for HP 100/200LX..... \$19

*** INTERNET E-MAIL ***

Introducing @Palmtop

Now Supports Faxing!

Nation-wide Internet E-mail/Fax for your HP Palmtop



Unlimited access for as low as **\$6.50/month***

- ✓ Unlimited access plans - starting as low as \$6.50/month
- ✓ Nation-wide toll-free 800 access plans with FREE Faxing
- ✓ Send Faxes with personal cover page and receive confirmation
- ✓ Uses your Palmtop's built-in cc:Mail software - no installation required
- ✓ Fully supports sending and receiving of binary files through the Internet
- ✓ Supports MIME, UUENCODE and Mac binary
- ✓ Unique domain names available for company/group use

		Monthly Fees
*Yearly Plan	Unlimited Email (408 access)	\$6.50
Monthly Plan	Unlimited Email (408 access)	\$8.95
Silver Plan	75 FREE 800 Minutes, 10 Pages Free Faxing	\$19.95
Gold Plan	150 FREE 800 Minutes, 10 Pages Free Faxing	\$29.95

Faxing available to all plans at 49c/page
800 number access available to Monthly/Yearly Plan users at 30c/min

Try our Intro Plan - 3 months for \$19.50 now includes 10 Pages of FREE Faxing

TO ORDER

800-825-9977



592 Weddell Drive, #6, Sunnyvale CA 94089 U.S.A.
Tel (408) 734-0100 Fax (408) 734-3344

See our complete color Website: <http://www.ace-tech.com/>

Web!



Special Offer for HP 100LX/200LX and OmniBook users!.....low cost, high-density, OEM labeled SunDisk Flashdisks mass storage cards!

Available in the following sizes-5MB, 10MB, & 15MB

These OEM labeled SunDisk Flashdisks are the perfect storage medium for palmtop computers and can be used with any computer which supports the PCMCIA-ATA standard. Our cards come preformatted for use with the HP 100LX/200LX. Check out our new low prices:

SDP-5	5.2MByte	\$89.00	
SDP-10	10.4MByte	\$149.00	
SDP-15	14.6MByte	\$189.00	



1 Year
Warranty

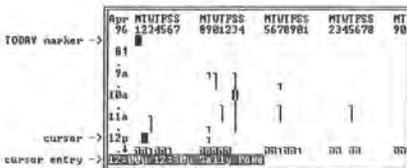
Visit our Website today!
<http://www.sycard.com/flashdisk/>

Visa, Mastercard, and Discover accepted



1180-F Miraloma Way Sunnyvale, CA 94086 (408) 749-0130 tel, (408) 749-1323 fax

one half hour (the dots between the hours are the half-hour indicators). These settings can be changed using the configuration file option. The TODAY marker keeps you aware of today's date. (The block cursor you see is created by a third party utility I use.) In the screen below I moved the cursor down to the item occupying the 12:00 pm slot on April 2 to see what's there. Its contents show up in highlighted text at the bottom of the screen.



Flexpad's Monthly Graph Views give you a month-at-a-glance look at your appointment book. Vertical lines show time slots that are filled.

The ¶ symbols at the bottom of the screen (not shown in the above view) indicate multiple appointments further down the list. If I move the cursor to this icon, the additional appointments are displayed at the bottom of the screen.

Final analysis: The advantages of Flexpad

Here's a summary list of some of the advantages I think Flexpad has over the built-in Appointment Book.

☐ It doesn't automatically save a

file with each edit. I must manually save by pressing [F10]. This is an advantage because it allows me to exit the program without saving a file that I have made an error in.

☐ I noticed my batteries were lasting longer after I switched to Flexpad. I assume that this is because the Palmtop is not saving files after each edit.

☐ Since all data is stored in simple text files, it's less likely that your data will get corrupted.

☐ I have direct access to raw data with any text file viewer or editor. Only inserted Labels appear as binary junk in a text file viewer.

☐ Searches are faster, and when you get used to the different data entry paradigm, data entry is at least as fast or faster. This is especially true when you start entering two-character strings in date fields.

☐ It allows me to combine data that would have required separate files in Appointment, Phone, Database, Notetaker, and InfoSelect, making cross references easy and quick.

☐ Its data files are smaller than the Palmtop's built-in application files with the same data.

☐ It allows multiple views of the data linked by a common character strings, not just dates. For example, I can display all lines with

"adams" in them. The Palmtop's Appointment Book lets me display data with a common date, or in the same week or month only. I can do an F4 search in Appointment Book, but I don't get the convenient View mode like I do with Flexpad.

☐ The Flexpad program can be updated because it's not built into ROM. Its author is active on CompuServe's HP Handheld Forum, developing the product.

☐ Flexpad is a character-based DOS application that can run on any PC. It can be configured to run on a PC in 80x25 mode, as well as 80x25, 64x16 and 40x16 on an HP 100LX and 200LX, and 40x16 on a 95LX. Appointment Book runs on PCs only with Connectivity Pack loaded, requiring CGA or better display.

☐ It makes it easier to write random notes, to be organized later, in the same file that houses appointments, phone numbers, etc.

☐ It makes it easier to convert any appointment to a Todo, and vice versa. This is very convenient when it comes time to convert a Todo to a committed date and time slot, or when I might decide to postpone an appointment indefinitely, converting it to a Todo.

☐ Its clipboard allows me to append as well as overwrite. And, because its clipboard is file based, I can edit it, use it to paste text between files sequentially loaded in Flexpad, or use it to pass text to and from a file in a different application.

Shareware/freeware mentioned in this article

FLEXPAD.ZIP — Flexible text editor that can be used for memos, appointments, todos, and more. Adds short-cuts and other features to Palmtop. Shareware. Available on this issue of *The HP Palmtop Paper ON DISK* and CompuServe's HPHAND Forum, library 11.

@BASE Adds Database Horsepower to Lotus 1-2-3

"@BASE" turns the built-in Lotus 1-2-3 spreadsheet program into a sophisticated relational database that lets you work with large dBase III Plus-formatted files.

By Carl Merkle

Have you ever wished you could work with larger database files on your HP Palmtop? Do you need relational database capabilities? Have you ever created a 1-2-3 database, entered a lot of data in it, and run out of system memory trying to open it? If so, read on to learn about an excellent Lotus "add-in" program named "@BASE" (pronounced "at base"). There are a number of add-ins that extend the utility of 1-2-3. @BASE lets you use Lotus to work with very large database data files. You work with database files in the industry standard dBase III Plus format. This add-in program uses Lotus 1-2-3-like menus and is easy to use so there is no need to learn the cryptic commands of dBase itself.

In 1-2-3's heyday, prior to the advent of Windows' spreadsheets, many people used the Lotus 1-2-3/@BASE combination for database purposes. *PC Week* called @BASE the "King of 1-2-3 database add-ins" because of its power, functionality and ease-of-use. @BASE operates inside 1-2-3, giving it the power of stand-alone database programs like dBase III. Although the add-in ran well on desktop machines, until recently @BASE did not run adequately on the Palmtop due to the way 1-2-3 was setup to run directly out of the Palmtop's ROM memory.

Recently a "patch" was written to modify 1-2-3, allowing @BASE to be fully capable of running on the HP Palmtop. (Patch included with product.)

Since many of today's most popular Windows-based spreadsheet and database programs can read and write dBase III-compatible files, @BASE eliminates the inconvenient processes of first converting files to the Palmtop's *.GDB format.

@BASE is a true full-featured relational database manager with all the tools you need to build and maintain large, sophisticated databases. It compares favorably with powerful stand-alone database programs like dBase or Paradox. Because @BASE works from within 1-2-3, anyone who knows how to use 1-2-3 can quickly begin working with and analyzing data. Because it works on the Palmtop, users can start carrying larger databases with

them wherever they go. @BASE is also useful to 1-2-3-savvy managers who want to integrate dBase data into their Lotus spreadsheets.

As a 1-2-3 user, you get the best of both worlds from @BASE. 1-2-3 gives you the tools for data analysis and report presentation while @BASE gives you enormous data capacity. Since @BASE has the same "look and feel" as 1-2-3, you'll adapt to it very quickly.

In a short time you can build a worksheet with dynamic links to one or more databases on disk. For instance, you may be supplied with a database file of sales data, and your worksheet might present a sales recap by region. The next month, for up-to-date results after obtaining the new database file, simply load and recalculate the worksheet. Fresh database information is automatically supplied from the link to the disk-based database.



ABOUT THE AUTHOR

Carl Merkle is a senior manager with E&Y Kenneth Leventhal Real Estate Group, a business unit of Ernst & Young, LLP. He specializes in accounting, auditing and consulting regarding real estate and financial institutions. He lives in Irvine, California with his wife and three children. The HP Palmtop is a regular part of their daily activity.

Brains and Brawn: A Summary of @BASE Features

@BASE is a Lotus "add-in" program that turns 1-2-3 into a powerful relational database that can work with industry-standard dBase III Plus data files. With @BASE running from within 1-2-3 on your Palmtop you can do the following, and much more.

- Read, write and modify dBase III Plus compatible files (also known as *.DBF files) that are up to 32 megabytes in size.
- Bi-directionally transfer data. Instantly transform an on-worksheet database to a dBase-compatible database on disk or instantly transfer data from a dBase III file to a 1-2-3 worksheet.
- Use 1-2-3 as a front end for existing dBase databases. You can also build complicated databases from scratch using 1-2-3 to control database functions with @Base's familiar Lotus 1-2-3-like formulas and menus. Use 1-2-3's macro capabilities and @Base's special @functions to create menu-driven databases to guide inexperienced users through data entry or data query tasks, to format reports, and to implement some of the data-entry controls @BASE lacks.
- Set up dynamic links from 1-2-3 to a dBase III file that will update information from the database III file every time a worksheet is recalculated.
- Open and use multiple database files from single 1-2-3 spreadsheet. For example, you might create a customer order form in 1-2-3 that accesses data from separate customers, products, and orders database files.
- Sort a database alphabetically, numerically or chronologically on as many as 128 fields (1-2-3 only allows you to sort on two fields).
- Analyze data in a database to provide fast responses to questions, such as "what sales people in each division earned more than \$20,000 in commissions this month?" or "what customers are in California?".
- Enter and browse database records in "table view" (a one record to a line format similar to a database in 1-2-3) or "form view" where each record occupies an individual screen.
- Easily and rapidly cross-tabulate your data either as counts (frequency distributions) or sums (subtotals) to find trends.

Because of these features, and more, I view @Base as a must-have utility program for any user of database files that are in a dBase III format, and all 1-2-3 users with database needs.

Easy installation, efficient operation

Given its power, @BASE is compact. I keep the following four files in my C:_DAT subdirectory:

File name	Size
BASE.ADN	64,072
BASE.TXT	10,945
BASEFUNC.ADN	11,772
BASEUTL.ADN	16,340
	103,129

The three files with the extension .ADN, are 1-2-3 add-in files and must be "attached" to 1-2-3 in order to run. In 1-2-3 you attach a file by pressing **Menu** **A**dd-in **A**ttach. Then use the prompts to highlight and attach the files you want. 1-2-3 asks if you want to assign the add-in to a function key, such as F7, F8 or F9. Pick one, such as F7.

BASE.ADN is the main @BASE program and must be attached to use any of @BASE's features. With this attached to 1-2-3 you can per-

form a number of database activities included opening, browsing and editing (table and record view), querying, bi-directional data transfer, and more.

BASEFUNC.ADN is optional, but with it attached you can use @BASE's special database @functions discussed further below.

BASEUTL.ADN is also optional, but with it attached, you can define and create a .DBF file directly from a 1-2-3 spreadsheet database, import comma delimited and ASCII text files, display information about an @BASE database, and more.

To run @BASE, I usually close all open applications besides 1-2-3. However, I have frequently run @BASE with Memo and Phone open, attesting to its relatively small size. Fully installed, the three attached add-ins take up approximately 90K of RAM on top of the RAM 1-2-3 normally needs. @BASE can have more than one database file open at the same time, with each file open taking less than 5K of RAM.

@BASE is menu driven, like 1-2-3

If you attached @BASE to a function key such as **F7**, you would "invoke" it by pressing **Alt-F7** (instead of **MENU**) to bring up the @BASE menu. (See graphic, top of page 34 for an example of @BASE's main menu). While in an @BASE screen you can return to 1-2-3 at any time by simply pressing **ESC** one or more times.

Just as in 1-2-3, you navigate @BASE's menu by pressing the first letter of each menu keyword. Thus to browse a database in table view, you'd press **Alt-F7** **D**ata **B**rowse. The resulting @BASE table view presents the database in row-column format just like 1-2-3, with the record numbers indicating the row, and field names indicating the column (See top of next page).

Record	EMPL	CUST	HO	PART	QUANT	UNITPR	SALES
1	Gary	Big Co.	1	P01	75	1000	75000
2	Frank	Xyz Corp	1	P03	75	7500	562500
3	Gary	Alliance	1	P02	500	5000	2500000
4	Sally	standard	1	P02	500	5000	2500000
5	Sally	standard	1	P02	500	5000	2500000
6	Sally	Summit	1	P03	75	7500	562500
7	Frank	Alliance	1	P03	75	7500	562500
8	Gary	Xyz Corp	1	P02	100	7500	750000
9	Sally	standard	1	P03	75	7500	562500
10	Gary	Big Co.	3	P01	200	1000	200000
11	Gary	Big Co.	4	P01	75	1000	75000
12	Gary	Xyz Corp	4	P03	75	7500	562500
13	Gary	Alliance	4	P02	500	5000	2500000
14	Gary	Big Co.	4	P01	75	1000	75000
15	Frank	Xyz Corp	4	P03	75	7500	562500
16	Frank	Xyz Corp	4	P03	75	7500	562500
17	Frank	Xyz Corp	4	P02	75	7500	562500
18	Sally	standard	4	P02	500	5000	2500000
19	Sally	standard	4	P02	500	5000	2500000
20	Sally	Summit	4	P03	25	7500	187500

@BASE's Browse screen displays the database file in the row/column format of a Lotus spreadsheet.

Entering data into a database in the @BASE table-view mode is similar to entering data in 1-2-3, except that certain database data-type conventions apply. For example, a label cannot be entered into a numeric field. Also, editing an entry in an @BASE table is the same as editing a cell in 1-2-3. Hence, you must press the **F2** edit key to do so.

You can also view and enter data into a database one record at a time by using the @BASE Data Form view.

Name	Value
EMPL	Gary
CUST	Big Co.
HO	P01
QUANT	75
UNITPR	1000
SALES	75000

Partial screen: @BASE Data Form view lets you view and enter data into the database one record at a time.

Querying a database is a breeze

Sophisticated database programs let you "query" them (ask them for specific information, like the total of a column of numbers). @BASE responds to both simple and complex requests and its querying process is fully menu driven. Using on-screen prompts and lists, you select field names, logical operators (such as = for equals, > for greater than, etc.), and a value to search for. @BASE prompts you to correct syntax errors in search criteria, helping you to reduce logical errors.

Compared to the complicated method required to query a 1-2-3 spreadsheet, users who like simplicity and power will appreciate @BASE's query method since extremely complex criterion can be specified very easily. A time-saving feature is that complex criterion prompts can be saved in a cell in a 1-2-3 worksheet and can be retrieved for use at any time.

Specifying a criteria to query (or filter) a database in @BASE involves walking through a series of screen prompts and lists, as shown by the series of screens in the next column. The process includes a first screen, which asks you to select the field containing the data you want to query on from a list. The second screen from the top presents a list of filtering operators (i.e., equal to, not equal to, greater than, less than, etc.). The third screen asks you to specify the filtering value, and the fourth screen asks if you are finished specifying filters or if you want to create a compound filter using logical and/or operators.

Bi-directional data transfer

One of @BASE's menu selections allows for bi-directional transfer of data between an existing database file and 1-2-3 worksheets. Records to be transferred can be the entire database or selected records based on criteria you specify. Capabilities of this menu selection include:

Name	Type	Length	Decimals
EMPL	Char	10	
CUST	Char	10	
HO	Numeric	4	0
PART	Char	6	
QUANT	Numeric	6	0
UNITPR	Numeric	7	0
SALES	Numeric	12	0

The first step in querying an @BASE database is to select from a list, the field containing the data you want to search on. In this case, **Employee names** is selected.

Filtering Operator	Description
=	(Equal)
<>	(Not equal)
>	(Greater than)
>=	(Greater than or equal)
<	(Less than)
<=	(Less than or equal)

The next query screen presents a list of logical operators to filter the list. In this case, "Equal" is selected.

EMPL-	Enter value: Gary_
-------	--------------------

The next screen asks you to specify the filtering value. In this case, we are looking for an employee named "Gary."

EMPL="Gary"
Quit
And
Or

The fourth screen asks if you are finished specifying filtering values or if you want to create a compound filter.

Import — which copies selected records from the database file to the 1-2-3 worksheet. Import can be requested for all fields, selected fields, or can be based on field name labels that you have already specified in the worksheet. See the graphic at the top of the next page for an example of data transferred into the active worksheet based upon the criteria specified in the example above. Notice also that the criteria was saved in cell B1.)

Export — which copies records from the 1-2-3 worksheet to the database file. Export can create new records (if no record number is specified), or write over the existing database file by identifying the record number and field name asso-

Recno	EMP	CUST	MO	PART	QUANT	UNITPR	SALES
1	Gary	Big Co.	1	P01	100	75	7500
1	Gary	Alliance	1	P02	50	5000	250000
2	Gary	Alliance	2	P02	75	5000	375000
3	Gary	Big Co.	3	P01	200	1000	200000
4	Gary	Big Co.	4	P01	75	1000	75000
4	Gary	XYZ Corp	4	P03	75	7500	562500
4	Gary	Alliance	4	P02	50	5000	250000
4	Gary	Big Co.	4	P01	75	1000	75000

The Import feature copies selected records from a database file to a Lotus spreadsheet. Notice in this example that it includes only records where EMPL=Gary, since criteria had been established through the criteria prompt screen.

ciated with the data to be exported.

❑ Label-Import — which copies field names from the database file to the 1-2-3 worksheet. You can specify any order for these field names to appear in the worksheet.

❑ Copy — which copies selected records from one database file to create another database file as a subset of the original.

The @BASE utility program (BASE UTL.ADN) goes a step further with data transfer by actually allowing you to create a database file using a spreadsheet database. This means it will guess how to write a *.DBF file specifying the field type (i.e., Character, Numeric, Logical and Date), field length, and decimal places for numeric fields, then ask you to confirm its guess, and finally it creates a *.DBF file.

I have used @BASE's bi-directional data transfer capabilities many times when trying to analyze and clean up downloaded corporate databases. It is excellent.

Cross Tabulations

In the May/June 96 issue beginning on page 47, I covered the process of how to create a cross-tabulation calculation of a sales database in 1-2-3. That was an advanced article. @BASE distills all that effort into just a few simple keystrokes. Furthermore, it can easily do more complex cross tabula-

tions with multiple fields which are not possible to perform in 1-2-3.

@BASE lets you cross-tabulate your data either as counts (frequency distributions) or sums (subtotals). You might, for example, have an employee database that contains the following three fields: Salary, Gender and Department. A cross-tab operation could easily identify the number of male and female employees in each department or create a table showing the total salary expense for each department. You can do the same thing in 1-2-3 with a combination of database statistical functions and the Data Table command, but @BASE's method is significantly less complicated and far less time consuming. All cross tabulations appear as results in the active worksheet (see graphic at the bottom of this page).

CUST	Frank	Gary	Sally
Alliance	0	875000	0
Big Co.	0	425000	0
Standard	0	0	1562500
Summit	0	0	375000
XYZ Corp	3000000	562500	0

@BASE cross-tabulation feature. This example displays the cross-tabulation of a database tracking sales for three representatives (Frank, Gary and Sally). The database is cross-tabulated by Customer (displayed in column A) and Employee (displayed in columns B, C, and D). Sales figures are displayed below employee names.

**TechRAM™
4MB Upgrade**

Attention 200LX users you can increase your internal RAM to a total of 5MBs. Some newer machines can actually achieve 6MBs.

Free up the PCMCIA slot for modem or other use!

Pricing:

- 4MB TechRAM & TechSpeed Kits.....\$314
- 4MB TechRAM Kit.....\$289
- TechSpeed Kit.....\$50

Shipping not included
Visa & Mastercard Accepted

Warranties:

1 year parts, 30 day money back guarantee, 90 day palmtop warranty (Physical damage excluded, U.S. Only)

Check out our web page for more details and latest prices.

Quantity discounts available.

Sorry 95LX users no memory upgrade options are available at this time. The use of the upgrade kits will void your HP warranty.

 Times2 Tech
105 Maple Street • Maylene, AL 35114
Email: mack@traveller.com
Web: <http://www.blm.tis.net/~mack>
Phone: 205-620-1408
Fax: 205-620-5205

European dealer Rundel Datentechnik
Asian dealer Times2 AsiaPac Technologies

@BASE's cross-tabulation feature is very powerful, and it works well. I still prefer to use it on desk top machines over other programs which also have cross-tabulation features, such as Paradox, Access, Approach, or Excel. In my view, @BASE's cross-tabulation feature is so good it is worth the price of the program alone.

Special @functions increase your power

@BASE's functions are like their dBase counterparts and allow you to specify precisely the scope of your search. If criteria have been specified through the prompts, then @BASE returns the results of the specified subset of the database, otherwise, most formulas also allow you to specify criteria in the formula.

The following are some of the special database @functions that can be used if BASEFUNC.ADN is attached.

@dbavg — returns the average value of a specified field for all the records in the database file.

@dbclose — closes specified database file.

@dbcnt — returns the number of records in a database file.

@dbfirst — returns the record number of the first record found in a specified database file that meets the active and/or optional criteria.

@dbfld — returns the contents of a specified field contained in a specified record number.

@dbisact — returns a 1 if a specified record is not marked for deletion and meets the active and/or optional criteria. Otherwise returns a 0.

@dbisdel — returns a 1 if specified record is marked for deletion. Otherwise returns a 0.

@dbisna — returns a 1 if a field of a specified record has no value. If the field does have a value, the function returns a 0.

@dbmax — returns the largest value in a specified field.

@dbmin — returns the minimum value in a specified field.

@dbnext — returns the record number of the next record in the database matching the active and/or optional criteria.

@dbopen — opens a database file.

@dbrecs — returns the total number of records in the database file.

@dbsum — returns the sum of the values in a specified field.

@dbupd — replaces the contents of a specified field and record with a specified value.

Excellent Manual

The manual accompanying @BASE is very well written and user friendly. It contains two major sections. One section contains tutorials that can help you quickly grasp the concepts and be up and running in a relatively short time. The other major section is reference material for @BASE's menu and @functions. Additionally, @BASE comes with a few sample files that can further your understanding of the possibilities of the program.

@BASE is well suited for the Palmtop since it further expands the Palmtop's use as a portable reference companion using industry standard file formats. @BASE is also a good alternative as a portable data gathering tool.

Pricing and Contact Information for products mentioned in this article

All prices are manufacturer's suggested retail price. It may be possible to purchase the product for less at third-party vendors.

@BASE — \$89.95

@BASE was originally published by Personics which is now owned by Data Watch Corporation. @BASE normally retails for \$195. However, Data Watch Corporation has discounted this price to \$89.95 for readers of *The HP Palmtop Paper* and members of CompuServe's HPHAND Forum.

@BASE Option Pack — \$44.95

The @BASE Option Pack which normally retails for \$99 has been discounted to \$44.95. The Option Pack adds the ability to have indexes, joins databases and has calculated fields with @BASE.

Contact: *Linda Lammi @ Data Watch, Phone: 508-988-9700 ext. 552; Fax: 508-988-2040 for order information, or write to Data Watch, 234 Ballardvale Street, Wilmington, MA 01887, USA.*

Communicate Wirelessly From Your HP Palmtop

Try ZAP-it for 30 Days with No Obligation



ZAP-it Wireless Messaging Service:

- Eliminates expensive cellular phone tag
- Guarantees your messages and faxes find you regardless of your location
- Means you can respond to any message within seconds at anytime from anywhere
- Eliminates the need to constantly check phone messages, voice mail and even e-mail to keep in touch

For more details on
ZAP-it two-way
wireless messaging
call
800-213-2573



ZAP-it is a trademark of DTS Wireless. The Megahertz AllPoints Wireless PC Card is a product of USRobotics.

Managing Time with Database

This Palmtop user accomplishes her goals and manages her life with a custom Todo Database

By Joy Soto Kocar

I became obsessive about time management when I decided to start my own technical writing and consulting company part-time, while working full-time as an engineer, volunteering at the local cancer institute, studying for a licensing exam, and sandwiching a personal life in there somewhere. Juggling all my activities really tested the theory of forced efficiency: the more you have to do, the more efficient you become to accomplish it all. Of course having a loving and supportive spouse goes a very long way in achieving a goal. I couldn't have survived it with just a Palmtop.

Unmanageable paper organizer

Like many Palmtop users, I started out with a paper organizer. Over time the organizer got thicker and heavier, and I got paranoid about losing the information it contained. Knowing how important my organizer was to me, my husband would jokingly suggest that we get an insurance rider for my organizer. But that would be of little help if the data was lost. Finally, I decided to switch to an electronic organizer so that I could back up ALL my data. Another problem with a thick paper organizer is that it's sometimes hard to find the information you want. Going electronic would

give me the ability to search my information quickly and organize it better.

In addition to the paper organizer, I had been keeping prospect and contact information in spreadsheets and a database on my desktop computer. I wanted to consolidate all that in an electronic phone book. I also had been collecting a multitude of other information important to me, including tips on how to do certain things and lists that ranged from reference books to read, to gift ideas. I wanted to have that information with me all the time.

In short, I wanted a powerful, ultra-portable personal information manager with significant internal memory to store all that information. I wanted it to be expandable and flexible, and I wanted to avoid expensive proprietary accessories. Since I used spreadsheets to store much of my information, I wanted a spreadsheet program. I also wanted to be able to do engineering calculations, track expenses, do

cash flow projections, billable hours and income linked to estimated taxes. Finally, with the investment I had made in entering information on my desktop, I wanted the electronic organizer to be able to communicate with the desktop.

I didn't think I was asking for too much, but when I finally started to shop around with my wish list in hand, I was quickly disappointed. The Sharpes and Casios were toys! After giving up on ever finding just the right machine, I stumbled across an EduCALC catalog and discovered this wonderful, infinitely flexible, and ultra-portable machine — the HP Palmtop. It's one of the best investments I've made and *the* most used tool I have.

Life management's underlying principles

I purchased an HP 200LX and began inputting the data to see if it would really fit my lifestyle and fulfill my needs.

I began using Appointment Book to track appointments and ToDos, but quickly found that the ToDo list was getting large and unwieldy. I ended up creating a custom Database not just for my ToDo list but as a means of "life management," hence, I named it LIFEMGMT.GDB.

My whole time management scheme revolves around the underlying concept of a master Todo list. I first learned this technique from Stephanie Winston's book, *The Organized Executive*. The book's

ABOUT THE AUTHOR

Joy Kocar is President of Integral Solutions, a technical writing company specializing in engineering, scientific, biomechanical and software documentation as well as providing thermal/hydraulic/mechanical analysis and design services. Joy can be reached by e-mail at 73121.3467@compuserve.com.

main principles relating to time management are as follows:

1. Record in a master list every idea, call, project, task as it arises -- large or small, minor or important.
2. Review your master list daily and divide large projects into manageable components.
3. At the beginning of each day, or at the end of the previous day, compile a Daily List of the 10 tasks that you think you can realistically accomplish, ranked in order of importance. Try to have at least one high-payoff activity on your Daily List.
4. Schedule your high priority items during the time of day you're most effective.

At first I was skeptical of the technique working. It seemed that I would spend more time making lists than I would save being organized! It took some initial effort and getting use to, but I've since become a convert. Having a prioritized master list of the goals you need to accomplish really helps put things in perspective.

Prioritizing is definitely the secret to getting the most important things done. The emphasis is on important goals and not just the urgent things to do. When prioritizing ToDos, I quickly go through the following questions.

Is this Todo going to help me reach an important goal?

What are the most important ToDos for me to handle today that would allow me to call this a successful day?

I believe that by taking care of the important things now, you minimize the effect of urgent ones later.

The most important underlying principle in time management is to structure major goals, not just

a lot of little things to do. You structure the individual ToDos to get you to the major goals. Efficiency is meaningless without them. When setting goals, I keep in mind the acronym SMART. The goal has to be Specific with a positive tone, be Measurable so I know when I've achieved it, be Action oriented, be Realistic, and be Timed with a due date and schedule. They also have to be balanced and congruent with personal values, in other words, support my personal mission.

Goals, of course, are flexible and make up the network of "roads" that will help anyone get to where they want to go. The map that these roads represent is each person's life mission.

I use the Category field to distinguish the important areas in my life and use LIFEMGMT's second "Planning Screen" to schedule and achieve my goals (more on this later).

I've used this system now for almost a year, and so it has passed the test of time and usability.

How I use LIFEMGMT.GDB

At first blush, my master Database seemed complicated and daunting. I'd structured in lots of ways to organize, categorize and sort the list. But that required making decisions about each ToDo as I entered it. I quickly discovered that the best way to deal with a new ToDo was

to enter it and worry about categorizing and prioritizing it later. I created a macro that let me enter the ToDo description along with a low priority, D, and Undecided category. I can modify the priority and category as I enter the ToDo, or wait till later to look at the whole and make those decisions. Many ToDo ideas used to slip between the cracks. Now I just hit the macro, enter the ToDo, and think about it later.

I schedule time to look at the list and adjust priorities each week. I keep in mind the "Pareto Principle" — that 20% of what you do produces 80% of the results. Lots of ToDos don't get done, but knowing that I have made the choice to do something else more important helps to get rid of feelings of guilt about not accomplishing every little ToDo.

Life Management's "Main Screen"

The ToDo data displayed in LIFEMGMT's individual Data Item screen is divided up into two pages: the first page displays the "Main Screen" and the second page the "Planning Screen." (Select the desired ToDo in the All Items screen and press **ENTER** to go to the Main Screen. Then press **Fn-DownArrow** to toggle between the pages.) I spend most of my time in the Main Screen, and only visit the Planning Screen when I'm planning a project that has a timeline.

Database: LIFEMGMT Data Item(1/2) 09/02/96 12:15 pm
ToDo INCORPORATION
Pri B Category Fin310 Entered 1/14/1996 Due
When: Now Later
What: Fone PC Read Audio
Where/Who: Mnu1 Mrvv Gbg IrHC Psh
Note: REFERENCES
LAWYER
Help Add Note Find Clip Prev Next Cancel Done

LIFEMGMT's Main Screen displays the title of the ToDo, Priority, Category and other organizational information, and part of the Note field.

HOW TO USE: Managing Time with Database

The Main Screen shown below is divided into the following fields:

ToDo — Contains a brief description of the activity you want to complete. I enter a key word followed with a modifier, allowing me to quickly locate a ToDo item by typing the key word. For example, I entered ToDos for writing a few articles. The ToDo for this article was entered as "Article, Lifemgmt." An engineering article was entered as "Article, friction factor." To quickly jump to these entries, I start typing "A-r-t-i-c-l-e" until Database finds the first matching occurrence.

Priority — I use this field to sort the most important tasks at the top, so they get done first. You can use any alphanumeric value. I use A (for the highest priority), B, C, and D (for the lowest one). For the hot activities I want to complete for the day or week, I use the numbers 1-9, since Database sorts and displays numbers before letters. You can also use a combination of the two. Alternatively, you can use Stephen Covey's "Quadrant" classification system. Covey's Quadrant 1 is important and urgent tasks/goals. Quadrant 2 is important but not urgent. Quadrant 3 is not important but urgent. Quadrant 4 is neither important nor urgent. (For more on Covey's system, see page 40 of the May/June 94 issue.)

Category — I use the Category entries to organize ToDos around areas that are important in my life plan and goals. The categories I use are:

CAR = career
FIN = finances
FUN = fun stuff
HEA = health
HOM = home and family
MEN = mental/spiritual development
UND = undecided

I like to add a 3-digit project identifier so I can keep track of related tasks. For example, all ToDos relating to a specific project, or a specific

ToDo	No	Category	Fo	PC	Au	Re	Mn	Mr	Gb	Ir	Pg
ANSSG project	✓	Car120									
ANSSI project	✓	Car120									
MARKETING PLAN		Car140									
Brochure	✓	Car140		✓							
Internet mktg		Car140				✓					
Trade magazines		Car140					✓				✓
INCORPORATION		Fin310									
Insurance	✓	Fin999	✓								
Article, Lifemgmt	✓	Fun999		✓							
TAI-CHI classes		Hea510	✓			✓					
CHRISTMAS		Hom210	✓								

LIFEMGMT ToDo database. All ToDos list view sorted by Category type.

business client might have the category CAR 100. I keep miscellaneous ToDos related to my career categorized as CAR999. The screen at the top of the page shows my ToDo list ordered by Category type.

The previous screen sorted by Category gives me some kind of idea of whether or not my life is balanced. At a glance I notice that the current list is dominated by CAR ToDos. My activity is too career oriented right now, but I'm starting up a company and that kind of focus is necessary during the infancy of any business. I just need to make sure I interject some personal goals into the mix, and aim for more balance in the future.

Entered and Due dates — I use the Entered date to not only track when I entered the ToDo, but to determine a "discard date." If the activity is not completed by a certain number of months after the Entered date, I delete it from the list. The Due date can be used to prioritize the ToDo list by urgency. I don't recommend using this as an exclusive way of prioritizing and selecting action items. It can lead to a "management by crisis" mode which is more reactive than proactive.

When — I use the "When" selection or group box to further focus the ToDo list. When I am prioritizing and organizing a ToDo item, I'll select "Now" for items I think I can realistically accomplish within a specific time frame. All the others are by default "not-Now." I have a

Subset that displays only the Now ToDos. The "Later" option is used when I can defer a "Now" item to some time in the future.

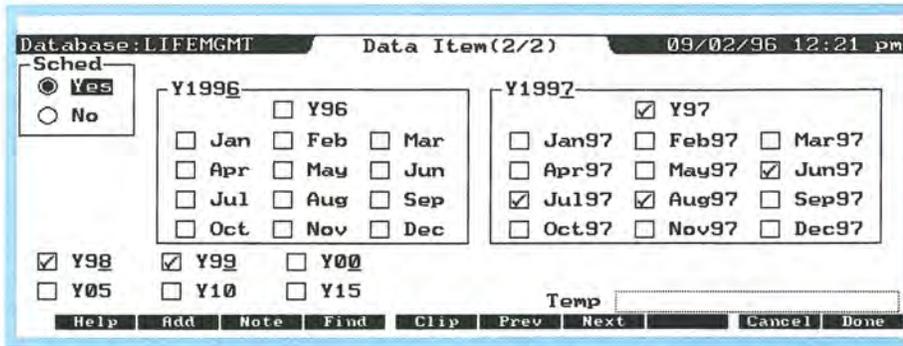
What — I use these choice boxes to group similar tasks together, so I can do them at the same time. For example, all my phone call ToDos have the "Fone" checkbox marked. When I get some time to make phone calls, I select a Subset that only displays these ToDos. My other What options are "Read" (for reading I need or want to do), "PC" (for things I have to do on a PC) and "Audio" (for audio tapes I want to listen to).

Where/Who — I use these choice boxes to group ToDos by location, department, or by the people involved. For example, if I'm going into town, I would look for all the "Pgh" checks, or, if I worked with Jane on a project, I would have a "Jane" check box and could see all the action items I have with Jane.

Note — Enter any pertinent notes about the activity. For example if it is a project, I maintain a dated journal of my activities relating to it.

Life Management's "Planning Screen"

I understand more and more the importance of not only setting long-term goals, but scheduling them. I created my Life Planning fields on the Database's second



LIFEMGMT's second page Planning Screen, used to help schedule long-term, goal-oriented ToDos.

page, to help with this (see graphic, top of this page).

I use this page to schedule large projects for clients, and personal development goals for myself.

I have too many of these longer term goals/wishes. This part of my database forces me to be more realistic about scheduling my time for these activities. It also reduces my level of disappointment when long term goals aren't met, because I can see what trade-offs I've made.

The Sched group box with its Yes/No option buttons is for the Year Review and Life Plan subsets. Yes indicates that a ToDo has a timeline associated with it; these subsets only display Todos with the Yes button selected.

Minimizing feelings of overload with subsets

I constantly use Subsets to display my ToDos in comprehensible groups. I use the "Now" Subset the most — when I want to see the ToDos I need to take care of this week (see screen top of next page). I have additional Subsets to display my Life Plan, my Reading/Audio list, my Year Review for 96-97 (see second screen, top of next page), all my ToDos listed by Category, and more.

Macros and other shortcuts

As I mentioned earlier, I use macros to simplify my use of the

ToDo database. I would have deserted this system a long time ago, if it weren't for macros.

The Sched (assigned to Fn+F2) macro creates a ToDo item, assigns it a low Priority, and an "undecided" Category.

```
{Database}{F2}{Alt+E}{Date}{Alt+Y}
Und999{Enter}{Alt+P}D{Alt+T}
```

The Sch-TD macro (assigned to Fn+F3) takes a ToDo from LIFE MGMT.GDB and transfers it as a ToDo item in Appointment Book.

```
{F5}y{Enter}{Appt}{F10}{Menu}at
{F3}{Paste}{F10}{F3}{Shift+End}
{Cut}{Del}{F10}{Paste}{Tab}
```

Wireless E-mail, FAX, Paging and Nationwide Internet Service from your Palmtop!



MOTOROLA
**PERSONAL
MESSENGER**

NO CELLULAR CHARGES

NATIONWIDE SERVICE AS
LOW AS \$19.95 PER MONTH

CALL NOW:

800-350-0373

or e-mail:

orders@conectus.com
for information

ARDIS™

Conectus™
WIRELESS COMMUNICATIONS

ToDo	Pr	Catego	Fo	PC	Re	Mn	Mr	Gb	Ir	Pe
ANSSG project	A	Car120								
ANSSI project	A	Car120								
Article, Lifemgmt	A	Fun999			✓					
Brochure	B	Car140			✓					
Day care provider	B	Hom250			✓					
Insurance	B	Fin999			✓					
Pediatrician	B	Hom250								
"Dynamic Learning"	B	Men999								

LIFEMGMT's "Now" Subset displays the ToDos you need to take care of this week.

ToDo	N	Catego	S	O	N	D	Jan	F	M	A	M	J	J	A
ANSSG project	✓	Car120	✓											
ANSSI project	✓	Car120	✓	✓	✓									
MARKETING PLAN	✓	Car140	✓	✓										
Brochure	✓	Car140	✓				✓		✓	✓				
Internet mktg		Car140											✓	✓
Trade magazines		Car140							✓	✓	✓			
INCORPORATION		Fin310											✓	✓
Insurance	✓	Fin999	✓	✓	✓	✓	✓		✓	✓				
Article, Lifemgmt	✓	Fun999	✓	✓	✓	✓	✓		✓	✓				
TAI-CHI classes		Hea510												
Day care provider	✓	Hom250	✓	✓	✓	✓	✓							

LIFEMGMT's "Year Review for 96-97" Subset lets you review the ToDos scheduled for the next year.

LIFEMGMT survives the test of time

Once or twice a year, I re-evaluate my long-term goals. I reschedule, create or delete goals as needed, to reflect changes in my life. I look at the Life Plan Subset to see if I've scheduled too much into any particular time span, and if I've scheduled sequential steps correctly. It's important for me to review my goals because it keeps me focused on the big picture and prevents me from getting too detail oriented. Life is about doing the right things, not just doing things right. This takes me a couple of hours, depending on how busy the year looks, but I only do it once or twice a year, around January and June.

During the January goal setting session I change the years on the Planning screen, and rearrange the columns in the Life Plan subset to get ready for the next year. For example, at the end of 1996, I

rename the group box Y1996 to Y1998, exchange location with the Y1997 group box, delete Y96, move Y98 in its place, and create the new check box Y01.

Every month I look at the Year in Review subset to see what I need to do that month, and I mark them as Now activities. I take the opportunity to check again to see if I've scheduled too much into any particular time span, and if I've scheduled sequential steps correctly. This takes me about one-half to one hour, depending on whether or not I need to reschedule activities.

During this monthly goal setting exercise, I rearrange the columns in the Year Review subset by deleting the past month, and adding the 12th month. In other words, at the beginning of Sep96, I delete the column for Aug96, and add Aug97 as the last column. That way I can always see a full year's schedule.

Every week I scan down the Now list and reprioritize the list so that the activities that I want to finish by the end of the week are at the top. This takes me about 15-20 minutes.

Daily I check my Now list and set the priority levels between 1 and 9 for activities that I would like to accomplish. I try not to choose more than 10. Any more would be unrealistic. Luckily, the Database screen shows only about that many items, so I don't get distracted by the rest of the list.

For me, the best time to do this is in the evening so that I know what to expect the next day. This only takes me about 15 minutes, not much time at all. In return for my investment, I feel like I have a direction for the next day, and I can hit the ground running. Time management gurus advise to schedule a time slot for the most important activities so that you guarantee that they get done. Some people feel most comfortable this way, but that's not my preference, it's too constraining for me, almost robotic; besides, you can control only about 50% of your day anyway.

The items that are time critical are copied into the Appointment Book ToDo list using the Fn+F3 macro described above. If appropriate, I make them an appointment. I also use Fn+F3 to place a completed activity into APPT so that I have a record of it. I then delete the ToDo entry in LIFEMGMT.GDB.

Other items I use APPT for, are periodic, time-sensitive activities such as bill paying and birthdays.

When I go through the mail, and I come across something that needs action, I make an entry with the key information, and I toss out the paper. For example, if I get a notice for a conference or seminar that I want to attend, I make an

MACLINK[®] Plus

HP PALMTOP




Everything's Included!
Just connect and let
MacLinkPlus do the rest!

Supports
all HP
Palmtops!

The complete solution
for exchanging
files between
a Palmtop
and a
Mac

Backup your HP on your Mac...
With just a click of the mouse all your HP files are stored on your Mac!

Don't retype all those names...
MacLinkPlus can move all of your contact information from applications like TouchBase or ACT! right to your Palmtop and back!

No excuses for missed appointments...
Convert your Mac files, like Now Up-to-Date or DateBook Pro, into the HP Appointment Book. Now all of your appointments will be with you at all times!

Manage your notes...
Convert your Memo files to and from Mac word processors like Word or ClarisWorks. All your formatting will remain intact!

Don't lose count...
MacLinkPlus also converts your Mac spreadsheets to and from Lotus 1-2-3 on your Palmtop - with all formulas and formatting!

Call (800) 406-6504 or (203) 268-0030 for special pricing or visit our Web site at <http://www.dataviz.com>



All product names are trademarks or registered trademarks of their respective holders. The Apple logo is a registered trademark of Apple Computer, Inc. 55 Corporate Drive • Trumbull CT 06611

entry and jot down the registration details. Then I can either throw the notice away or file it, and if my filing is less than perfect, I still have the key information available.

At the beginning of a project for a client that will last a few months, I give the project a number and break it down into the key steps. On occasion I've used mind-mapping techniques to create my list of activities (still paper based), instead of the linear, outlining approach. I make an entry for each activity, and check off the months on the Planning Screen. As the project progresses, I use the Notes field to keep dated journals of conversations and agreements, action items, general notes, etc.

Or let's say I need to go to the bank, I pull up the subset for that area of town, and look at all the errands I could do on this trip. I then start planning my route so

that I make all the stops, and I prioritize them in the order I plan to do them. I also check the Notes field to see if there's anything I need to take along. This only takes me 5-10 minutes, but saves me a lot of time by making the most of every trip.

The times I listed are, of course, variable. It took me longer in the beginning when I was still establishing my routine, now it's almost second nature. And maybe that's really the secret, stick to a system that works for you, get into a habit, and no matter what, it'll save you time.

The ultimate test

I've been following this routine for over a year now, and it has helped me achieve more this past year than I thought possible. It takes 1/4 the time to do what I use to do

with my paper based system. The ultimate test is still to come ... the arrival of my first child. Seasoned parents have told me to forget about making a schedule, the baby makes it for you. Hmmm ... maybe I need a new Category?

References mentioned in this article

The following is a list of time management references I've found useful. Books listed are available at, or can be ordered from your local bookstore:

First Things First

Book by Stephen Covey, Rebecca R. and Roger A. Merrill.

How to Set and Achieve Goals

Audio tape set by Dr. Bobbe Sommer. Available from Career-Track, phone: 800-334-1018.

How to Master Your Time

Audio tape set by Brian Tracy. Available from Nightingale-Conant, phone: 800-525-9000.

Manage Your Time Your Work Yourself

Book by Merrill E. Douglass, Donna N. Douglass.

The Organized Executive

Book by Stephanie Winston.

Personal Power

Audio tape set by Anthony Robbins. Available from Robins Research, phone: 800-445-8183.

Reading Dynamics

Audio tape set based on the works of Evelyn Wood. Available from Nightingale-Conant, phone: 800-525-9000.

The Time Trap

Book by Alec Mackenzie.

Freeware mentioned in this article

LIFEMGMT — Custom ToDo Database file described in this article. Available on The Sep/Oct 96 issue of *The HP Palmtop Paper ON DISK* and CompuServe's HPHAND forum, library11.

Carrying Your Office in Your Pocket

This on-the-road engineer tracks his contacts and correspondence, quotes prices, creates technical drawings, stays in touch with the world, and has fun — all with the Palmtop in his pocket.

By Jorgen Wallgren

My motto is why use a desktop/notebook PC when I can use the power I have in my pocket? I have decided to do everything on my Palmtop, since it is for me the most portable and hence the most powerful PC available. When I talk about powerful, I do not talk about the CPU or clock speed a desktop PC has. I talk about how I use the Palmtop and the results I achieve with it.

I am in a business which requires frequent traveling. It is an interesting business, but not an easy one. Since I only spend about one week a month at home, I need to take my office with me wherever I go. I have tried all kinds of "portable" computers, including laptops, notebooks and sub notebooks. Once I experienced the HP Palmtop, the choice was easy.

As powerful as a portable!

I find that I can accomplish the same result with my Palmtop as with the portables I've tried. In fact, I hardly use the other computers any more. My Palmtop provides the power I need through a combination of the built-in software, old DOS software which can run on a CGA screen, and the

Palmtop's macros capability. I have a HP 200LX with 2MB of RAM. Additional file storage is provided by an 85MB flashcard from Sandisk. I also use the EXP ThinFax PCMCIA fax/modem card with 4MB flash memory for communications.

In my work I write many letters and memos, create technical

drawings and provide estimates on projects. I send and receive many faxes and cc:Mail and compose most of them right on my Palmtop in WordPerfect 5.1. To organize my correspondence I've created an archive database with the built-in Database program shown below.

The archive database has the following data fields in it:

Database: FMS-CLOG		Data Item	13/08/96 21:51
Date	13/08/1996	Ref. No.	F/325/96
To	Accor Asia Pacific		
Attn	Ir. Fanny Rosmawaty		
RE	The current hotel projects in Indonesia.		
Help Add Note Find Clip Prev Next Cancel Done			

Individual Data Item for the Letter/Fax archive file created with the built-in Database program.



ABOUT THE AUTHOR

Jorgen Wallgren currently works for Flecon Multi System Pte Ltd in Singapore, which designs and manufactures Intelligent Guestroom Control Systems for hotels. As System Application Manager, Mr. Wallgren is involved in sales, marketing and technical applications, with Indonesia as his main market. He graduated from the Royal Institute of Technology in Stockholm with a M.Sc. degree in Mechanical Engineering. He moved to Singapore in early 1991.

Name	Type of field	Purpose
&Date	Date field	Enter date created
&Ref.No.	Text field	Name of the fax/letter
&To	Text field	Client/company name
&Attn	Text field	Contact person
R&E	Note field	Subject of correspondence

Create this by opening the Database application, pressing **[MENU]** **F**ile **D**efine New Database. Add the data field names and types listed above. Position and size them to look like the screen displayed on the previous page. After you've created this database, save it as C:_DAT\FMS_CLOG.GDB **[F]**. Then press **[F7]** and sort the Database as follows: The 1st sort field should have "Ref.No" selected, with a descending sort order (uncheck "ascending"). The 2nd sort field should have "Date" selected, with a descending sort order. Then press **[F8]** to arrange the columns so that "Ref.No." is the first column. Finally, fill in your first entry in the new communication log with the first "Ref.No." as "F/100/96".

Macro simplifies use of the archive database

At first I entered information into the archive database manually, but it required switching back and forth between applications and pressing many buttons. It took a long time, so I created a system macro to speed up the process. I have contact information for all my customers in the Palmtop's Phone Book file. When I want to send a fax to a customer, I just highlight the customer's name in Phone Book and start my system macro. The macro logs my fax into the custom database, gives it a reference number and saves the contact information in a temporary text file.

I use WordPerfect 5.1+ on the Palmtop to compose faxes and letters. I then transfer the contact information from the temporary text file

described above to WordPerfect. I open up Word Perfect and run a separate Word Perfect macro which opens up a fax template I've created in Word Perfect, appends the information saved in the temporary file described above and cuts and pastes the company name, person, date, and reference number to the appropriate location in the fax header.

Modifying Phone Book and creating the fax macro

Below I describe how to use the macro. As it is presently structured, it must be used with a modified Phone Book. You can do this by importing your Phone Book data file (with the .PDB file extension) into the Database application and pressing **[MENU]** **F**ile **M**odify Database. You can also create a new Database file by opening the Database application and pressing **[MENU]** **F**ile **D**efine New Database. Save the Database file with the .PDB extension and open it up in Phone Book.

The new (or modified) Phone Book file must contain at least the following five fields to work with the macro described below:

Name	Type of field
Company Name	Text field
Contact Person	Text field
Salutation	Text field
Area Code	Text field
Fax Number	Text field

The individual Item screen of the new (or modified) Phone Book should look something like the screen shown at the bottom of this page.

You'll also have to create a Smart Clip to be used with the macro to cut and paste the desired information into the temporary text file. To do this, open the custom Phone Book you just created and press **[F5]** to go to the Smart Clip dialog box. Press **[F2]** to define a new clip. Press **[F2]** again to enter the fields you want in the Smart clip. Put "Company Name" as the first line, "Salutation" and "Contact Name" as the second line, "Area Code" and "Fax Number" as the third line. Press **[F10]** to save the clip, with "&Fax To:" as the name.

Next, use Memo to create the empty temporary text file and save the file as C:_DAT\CLIP.TXT. The system macro and Smart Clip will save the contact data to this file.

Create the macro

Open the built-in Macro application and type in the following macro exactly as shown. Assign it to the Fn key of your choice. (Type this macro in with no carriage returns.)

```
{F5}&{Enter}{Alt}q{Memo}{Alt}fn{Paste}
{Database}{F9}c:\_dat\fms-clog.gdb
{Enter}{Enter}{Alt}R{Left}{Left}{Left}
{Left}{Left}{Left}{Shift}Right{Shift}
Right{Shift}Right{Copy}{F9}{Tab}
```



Phone Book Individual Item screen shows separate data fields for Area Code, Fax Number, Company Name, Contact Person, and Salutation.

HOW TO USE: Office in Your Pocket

```
{Enter}{Calc}{Alt}oma{Enter}{Paste}+
1={Copy}{Alt}q{F2}{Alt+D}{Date}{Alt+R}
{Paste}{Right}{Right}{Right}{Shift+End}
{Del}{Home}F/{Right}{Right}{Right}/96
{Home}{Shift+End}{Copy}{Memo}
{Paste}{PgUp}{Home}{Shift+End}
{Copy}{Database}{Alt+T}{Paste}
{Memo}{Down}{Home}{Shift+End}
{Copy}{Database}{Alt+A}{Paste}
{Memo}{F10}c:\_dat\clip.txt{Enter}
{Enter}{Alt}q{Alt+E}
```

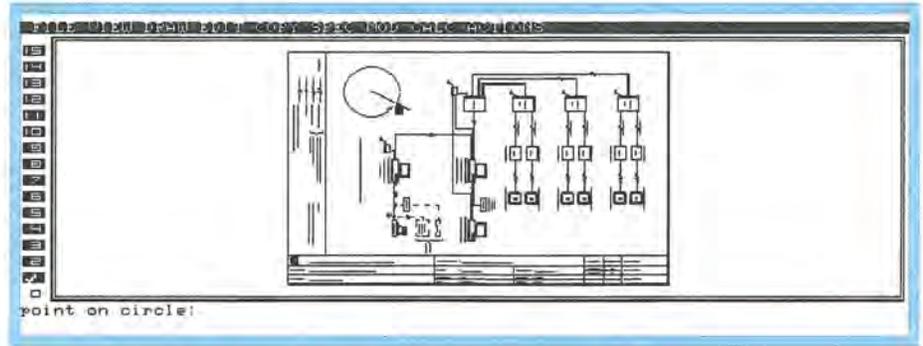
Then open your modified Phone Book, highlight the name you want to send a fax to and start your macro. After running, the macro ends in the archive database (FMS-CLOG.GDB) with the cursor in the field named "RE." Fill in what the fax is regarding and press **F10** to save the new entry.

The macro modified the CLIP.TXT file in C:_DAT. This file now contains the archive reference number for the new fax/letter along with the contact information. As mentioned above, I append this file to a Word Perfect file containing the fax/letter and use Word Perfect's macro capabilities to cut and paste the information to the proper location in the document. You could use this procedure with any word processor that runs on the Palmtop, including the built-in Memo application.

Quick price quotations

I am in sales and marketing and frequently have to give clients quotations on the price of products. I have created a custom database to track products, specifications and list prices. Although it's easy to view and maintain the product/price list in the built-in Database program, it can't do calculations. To overcome this limitation, I've created a special Lotus 1-2-3 template to make the actual quotation.

I highlight a product name in the Database and start a macro which copies the product specification and



EasyCAD display of technical drawing on the HP Palmtop.

price to my spreadsheet. In the Database the price is defined as a number, but when you copy and paste it to the spreadsheet it become a text "label" (i.e., 163 is entered as '163). To convert it back to a number, the macro erases the apostrophe (using (Paste){F2}{Home}{Del}{Enter} as a part of the macro).

Creating technical drawings on the Palmtop with EasyCAD

The products I represent are of a technical nature and I must be able to display them in the form of drawings. I used a notebook computer for this until I found an older version of EasyCAD (V2.67) that worked on my Palmtop.

I use a Thumbelina mouse as a pointing device. EasyCAD is surprisingly fast and powerful and I no longer have to carry the notebook around.

Faxing from the Palmtop

I use the MiniFax software which comes with the ThinFax PCMCIA modem card for sending most of my faxes. But sometimes I have to send faxes which contain technical drawings or my signature. For faxes with graphics, I use BitFax V3.09.05.

I've placed the BitFax program on my ThinFax card's Flash memory (the F drive on the Palmtop

when the card is inserted). I put the printer capture utility that comes with BitFax (PRINTCAP.COM) on my Palmtop's C drive. PRINTCAP redirects a printing job and saves it as a file on my Palmtop's C drive. All I do is run PRINTCAP, then print the document containing the graphic to my LPT1 port. PRINTCAP saves this print to a file. This file can be rather large, but I have usually about 700Kb free on the C drive which is sufficient most of the time. When I am ready to fax, I switch to my fax/modem card. Start BitFax, convert the captured print file to fax format, and send the fax. I must admit that the capture and conversion is slow on the Palmtop, but it works and that is the important part for me.

If you have BitFax for DOS and would like to try it on the Palmtop, you can save space by installing only the following files to make the program smaller:

BITFAX.BAT	31
BF.EXE	81413
BITSCHED.EXE	101463
PRINTCAP.COM	19364
PRINTER.CAP	9139
FAXBOOK.DBF	738
BMP43720.FNT	84480
BITFAX.CFG	630
CONFAX.EXE	24712
SUPPLY.EXE	75504
COUR10F.WPF	12595
BITFAX.SCH	1922
BITFAXTX.LOG	1170
COUR10FF.WPF	12601

COUR10N.WPF	8301
COUR10NF.WPF	8309
COVER.FNT	15771
20 files	458143

Staying in touch is important

While on the road I need to keep in touch with my office on a daily basis. My head office in Singapore has a computer network installed with three incoming telephone lines: One for fax, one for e-mail and one for cc:Mail. I use my 200LX's built-in cc:Mail daily to communicate with the office's network system, which runs on Windows 3.1. The Palmtop connects with a Windows 3.1 version of Lotus cc:Mail without any problem. Since my office is using Lotus cc:Mail for internal and external communication, I can send and receive messages to/from any person in the office or our distributors. I can also receive urgent faxes through cc:Mail wherever I am.

Maybe I am overenthusiastic

Some may think I am bit overenthusiastic to attempt all this on the Palmtop. This may be so, but the Palmtop gives me an advantage as a sales and technical person. I have

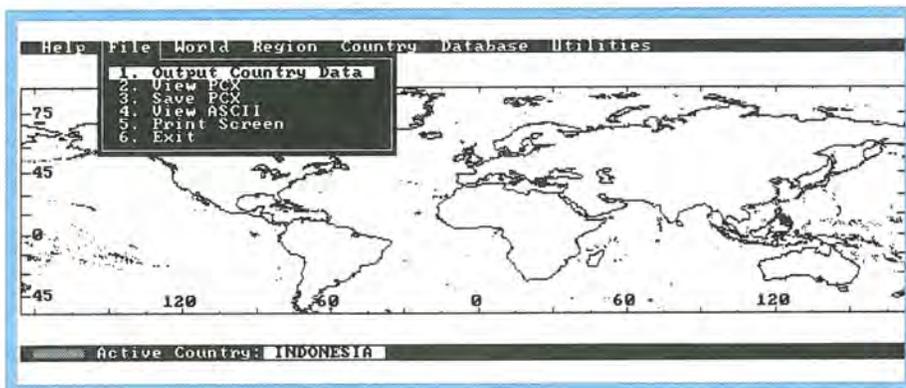
all the tools I need with me all the time, in one pocket-sized Palmtop. I can communicate with the world and retrieve information whenever I need it. When I'm traveling and need information about a country, I run PC Globe 5.0 to look it up. (I once settled an argument about which country produces the most beer in the world.)

I've even run Windows 3.0 on the Palmtop. I did this mostly for fun and to see if I could do it. But it also enabled me to use Micrografx Designer 3.01 on the Palmtop to create some simple promotional signs for local stores.

I read books on the Palmtop using Vertical Reader (VR ) by Gilles Kohl. I play Backgammon , Chess  and Solitaire  on the Palmtop. I "play around" a lot, trying new programs, changing settings and doing simple programming. I'm far from being an expert in programming, but am having success using LX Batch 2.0 (LXB.ZIP ) by Rob Koenis, to make small applications which enhance my use of the Palmtop.

Since I spend much of my time on the road, I need to carry my office and entertainment with me. I use my Palmtop approximately 120-150 hours a month, at various locations and for various purposes. No other pocket portable computer can give me this power.

Thank you Hewlett-Packard!



PC Globe display on the Palmtop, showing Indonesia as the selected country. The name "Indonesia" is displayed in the lower left corner and the country is highlighted on the world map (down by Australia).

Pricing and Contact Information for products mentioned in this article

All prices are manufacturer's suggested retail price. It may be possible to purchase the product for less at third-party vendors.

Bitfax V3.09.05 — \$NA

Fax software. This version may be still be available, bundled with fax/modems.

Contact: Cheyenne Software. Phone: 214-840-6781.

EasyCad 2.72 for DOS — \$199

DOS CAD program that works on the HP Palmtop. Version 2.72, mentioned in the article, is no longer available.

Contact: Evolution Computing, U.S.A. Phone: 800-874-4028; Fax: 602-968-4325; On-line: www.evcomp.com/evcomp

Micrografx Designer 3.01 — \$NA 3.1 — \$299.95; 4.1 — \$299.95

Windows graphics program.

Contact: Micrografx; Phone: 800-733-3729; Fax: 716-873-0906.

PC Globe 5.0 — \$ N.A.

Product no longer available.

ThinFax Fax/Modem + Flash Memory — \$115

PC Card fax/modem with on-board flash memory.

Contact: EXP Computer, Phone: 714-453-1020; Fax: 714-453-1319; On-line: <http://www.expnet.com>.

WordPerfect 5.1 for DOS — \$ N.A.

Product no longer sold by Corel, new owner of Wordperfect.

Shareware/freeware mentioned in this article

BACKGM.ZIP — Backgammon for the HP Palmtops. Freeware. Available on the *HP Palmtop Paper Best Tips 1996 ON DISK* or CompuServe's HPHAND Forum, library11.

FMS-CLOG.GDB — Letter/fax archive database described in this article. Freeware. Available on this issue of *The HP Palmtop Paper ON DISK* or CompuServe's HPHAND Forum, library11.

KLON95.ZIP — Solitaire game for the Palmtop. Freeware. Available on the *HP Palmtop Paper Best Tips 1996 ON DISK* or CompuServe's HPHAND Forum, library 7.

LXB.ZIP — LX Batch 2.0 batch file programming utility. Freeware. Available on the Mar/Apr 96 issue of *The HP Palmtop Paper ON DISK* or CompuServe's HPHAND Forum, library 11.

PCHES.ZIP — Chess game for Palmtops. Shareware. Available on the *HP Palmtop Paper Best Tips 1996 ON DISK* or CompuServe's HPHAND Forum, library11.

VR100.ZIP — Lets you read electronic texts on the Palmtop. Shareware. Available on 1994-95 PowerDisk or from CompuServe's HPHAND Forum, Library 11.

User to User: News from Around the World

Hal reports on his recent trips and the discoveries he made while traveling, including some amazing Palmtop software; HP Handheld conferences — this year and next; our new book PC in Your Pocket; and the new HP Palmtop Paper Web site.

By Hal Goldstein

I spent this summer on the road. I traveled to Palmtop-related events in Chicago, New York, London, Paris, Singapore, Bangkok and Anaheim, California. Everywhere I went I met HP Palmtop users. I was continually reminded that Palmtop users transcend differences in age, culture, sex, language, profession, religion and anything else that normally separates us as people. We are a community of Palmtop users with friends everywhere.

I decided, "no laptop" for this trip. Normally I take one with me for writing and online communications. But this time I would rely totally on my Palmtop and an EXP ThinFax fax/modem card with 4MB of on-board memory. This combination did the trick when I needed to connect to CompuServe and pick up or send e-mail. When I needed to print out a fax I used the EXP's fax capability to "print" to the hotel fax machine.

I know many fellow users who type quickly and efficiently on the Palmtop, but I still suffer through my typing. I find anything more than a few sentences a struggle. I wish someone would figure out how to hook up to the Palmtop, one of the small wireless keyboards

now available for laptop PC use. This kind of keyboard would be *ideal* for hotel room use.

I met many Palmtop users on my summer travels. Some I had known only through an e-mail address. I find that I unconsciously form a picture of a person from their e-mail address and the conversations we exchange. I get a small jolt when I meet the person face-to-face for the first time and discover that they look different than my mental picture of them. However, after about 15 seconds of shyness (as both of us adjust to communicating with eyes and ears rather than written words), it's like being with an old friend. I find the whole phenomena of cyberspace friends and communities fascinating.

In my role as Executive Editor of *The HP Palmtop Paper*, and as a CompuServe HPHAND member, I am continually exposed to stories about how people use their Palmtops. In Singapore, London, and Anaheim, I had a chance to meet many Palmtop users and was astounded at the creativity, depth and breadth of Palmtop usage. Many people promised to send me write-ups on products or techniques they developed, to share with read-

ers of *The HP Palmtop Paper*. (If you made me a promise, I hope to here from you soon!)

Amazing Japanese software for the Palmtop

In particular, I saw some amazing Palmtop solutions that were developed in Japan. Thanks to the efforts of several English-speaking Japanese users, we are now beginning to see some of this software in the West. (Many of us now enjoy the 4MB C drive upgrades which originated in Japan). If things go according to plan, our next issue of *The HP Palmtop Paper* will feature descriptions and discussions of some of these Japanese gems. (Are you listening Jason, Chai Kin and other Japanese users? My e-mail box is waiting!)

HP Handheld Conferences — this year and next

The HP Handheld conference held in late August in Anaheim, California was a success. We had over 100 users and about a dozen vendors. Next year we will help Shier Systems sponsor the event,

and *I want to see you there!* It will be in the San Francisco bay area in either May 16-18 of 1997 — I'll announce next issue next issue. We will do our best to create and announce the conference tracks ahead of time so you know what to expect. There will be solutions-oriented discussions, tutorials, demos, a panel from HP, and you will be able to talk to many vendors and see first hand how their products work. Most importantly, and most fun, you will be able to meet and network with fellow Palmtop users and HP people.

This year Khaw Kheng Joo, the head of the HP Handheld division, gave the conference's keynote address. (Chinese names start with

the family name — in the West his name would be "Kheng Joo Khaw" — but Khaw tells us to address him as "Khaw".)

Khaw re-stated his commitment to the HP 200LX platform, "As long as you want to buy them, I'll make them." HP's emphasis in the coming year will be on wireless and vertical market (niche) HP

Khaw Kheng Joo, the head of the HP Handheld division, re-stated his commitment to the HP 200LX platform.

200LX solutions. As you will see in upcoming issues, HP is recommitting itself to the HP 200LX. I believe the HP 200LX will be around for years to come no matter what else is introduced.

Khaw is a "hands on" man for whom I've developed a great respect. In my travels this summer I saw him three times (everywhere but at his home base in Singapore, since he was traveling when I was there). Khaw appears at all events where he has the opportunity to talk to users and vendors, and to hear their ideas and thinking. He recently spent a whole day watching the sales process in a retail outlet where Palm-tops were being sold. Khaw does not hide behind his title — he is simple, approachable, and unassuming, yet he has a razor-sharp

mind and is action oriented. His team in Singapore mirrors his entrepreneurial, open and forward-thinking outlook, inside a huge, sometimes bureaucratic and impersonal company.

Travel Floppy

PCMCIA Floppy Drive

No less indispensable than your HP 100/200LX



Unparalleled performance from the Travel Floppy™ makes file transfer and archiving both simple and inexpensive.

- Includes 3.5" 1.44 Mb floppy drive
- PCMCIA Type II compatible
- Small and portable — take or use it anywhere
- Versatile — plugs into the PCMCIA slot of a variety of subnotebook, notebook and other portable DOS-based systems, including the HP 100/200LX
- Uses the convenient, economical, universally accepted floppy diskette

ACCURITE
TECHNOLOGIES INC.

231 Charcot Avenue, San Jose, CA 95131
TEL: (408) 433-1980 FAX: (408) 433-1716



Introducing

Trans PC Card
Universal Parallel Port

The Ultimate HP Palmtop Solution that does it all:

- Connectivity to parallel devices: 100MB Zip drives and other parallel peripherals
- Printing to parallel printers from DOS and System Manager Applications including 1-2-3
- Instant transfer and management of files between Palmtop, Notebook and Desktop PCs
- "Plug & Play" and "Hot Insertion" operation. Very low power requirements
- All software required included on the Card. No setup or installation needed

Trans PC Card is a Type I multifunction card compliant with PC Card '95 Standard. Trans PC software for transfer (DOS Command Line and Point and Shoot interface) and Port Manager for port installation is provided on the Card. Trans PC Card contains Trans Processor which is fully compatible with AT Parallel Port Standard and allows for data transfer over 8 times faster than EPP (850,00 Bytes/sec. between two Notebook PCs with Trans PC Cards connected by Trans Cable). There are three adapters for Trans Cable: A - for transfer using standard parallel ports, B - for printers, C - for Zip drives.

Trans PC Card introductory price - \$119.00 (with User Manual and Quick Reference)
Trans Cable - \$29.00, Adapters A, B and C - \$10.00 each.

For more information and dealer nearest you please call:

Trans Digital Corporation
39210 State Street, Suite 105
Fremont, CA 94538

Tel: (510) 745-9777 • Fax: (510) 745-9937



DiskDock™

Low-cost Backup or Auxiliary Storage System using PCMCIA Technology

- Backup your Notebook or Laptop with a high-speed, low cost 2-1/2" Hard Drive
- Great for systems requiring security
- Removable-portable-compact
- PCMCIA to IDE interface

PalmTop Adaptor External Power

- Enables Notebooks and Laptops to use devices requiring more power, i.e. PCMCIA Hard Disks



Greystone Peripherals Inc. 130-A Knowles Drive, Los Gatos, CA 95030

Tel: 408-866-4739 Fax: 408-866-8328

Web Page: www.greystone.com

For more information call toll free: **1-800-600-5710**

Based on Khaw's comments and the comments of other HP people with whom I met, I think HP now really "gets it." Almost two years ago we ran a series of user comments on why people should buy the HP Palmtop (plus our version of a possible HP Palmtop ad). The point that emerged from the user comments was that HP should not position the Palmtop as an expensive competitor to the Psion, Newton or other organizer/PDAs. Rather the HP Palmtop should be positioned as an inexpensive, superior alternative (or at least an adjunct) to carrying a laptop. The HP Palmtop is always there when you need it, there are no power concerns, and it is not distracting in meetings like a laptop is. Functionally, the Palmtop can do virtually all you need done when you are not at your desk.

PC in Your Pocket gets Palmtop information on the book shelves

At the Anaheim conference we gave away copies of our new book *PC in Your Pocket*. Everyone who has seen the book likes it. It brings together all we do on the Palmtop: controlling our time, accessing information, manipulating numbers, keeping contact histories and communicating (wirelessly or by cable). It includes a Palmtop and Accessories Resource Guide, is attractively formatted, and is full of interesting and useful graphics. Author Ed Keefe weaves together over one hundred real-life examples excerpted from past issues of *The HP Palmtop Paper*. The book is written both for existing Palmtop users and potential buyers.

And now I need *your* help. I think the book will help sell the Palmtop — which helps all of us due to more applications being available, more Palmtop knowl-

edge shared, etc. You can order the book directly from us, or you can have your book store order it (ISBN 0-9652187-0-8). Whichever way you order it, if you like the book please talk to your favorite book stores and recommend they stock it. Palmtop information needs to be out there, in front of the people. I really appreciate and thank you for your efforts on the book's behalf. (Isn't it about time that the HP Palmtop is represented among the myriad of "Dummy/Idiot" format, Windows, and Internet books that dominate the computer book section!)

Those of you outside the U.S.A., please help us by giving us ideas on how we can make the book available at book stores outside the U.S.A. If you have suggestions, you can e-mail me at: hal_goldstein@thaddeus.com.

HP Palmtop Paper Web site on the way

And finally, by the time you read this, we should have at least part of our Web site up. You can find it at: www.thaddeus.com. Take a look and give us feedback!

Products mentioned in this article

EXP ThinFax

Fax/modem + Memory — \$varies

PC Card fax/modem with built-in flash memory.

CONTACT: EXP Computers; Phone: 714-453-1020; Fax: 714-453-1319; On-line: <http://www.expnet.com>.

Palmtop RAM upgrades — \$Varies

Increase size of Palmtop's RAM memory.

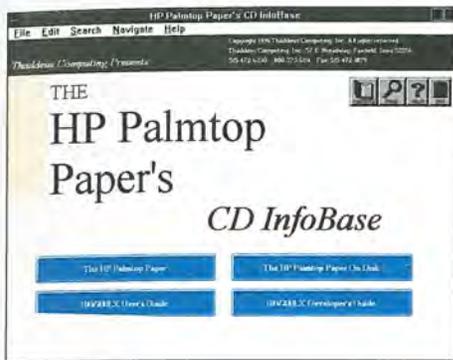
CONTACT: ACE Technologies; Phone: 800-825-9977 or 408-734-0100; Fax: 408-734-3344 ...Or... Notebook Supply Warehouse; Phone: 800-566-6832 or 714-753-8810; Fax: 714-753-8812 ...Or... Times2 Tech; Phone/Fax: 205-620-1408 ...In Europe... Rundel Datentechnik; Phone: +49-7161-14707.

PC in Your Pocket — \$19.95 U.S.

Best of *The HP Palmtop Paper*, edited by Ed Keefe.

CONTACT: Thaddeus Computing (see page 8).

More...Knowledge Products From Thaddeus



The HP Palmtop Paper's CD InfoBase

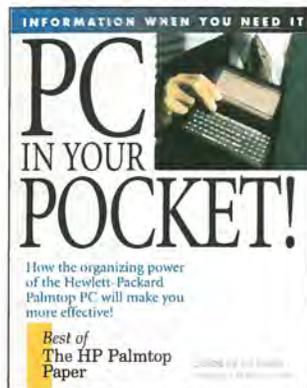
The HP Palmtop Paper's CD InfoBase

A MUST-HAVE FOR ALL PALMTOP USERS

This PC Windows based CD contains in searchable hypertext format all 1991-95 *HP Palmtop Papers*, detailed product descriptions from advertisers, the HP 200LX User's Guide, and the HP 100/200LX Developer's Guide. In addition, you'll find the over 750 pieces of freeware and shareware from the 1991-95 On Disk collection, from the Subscriber Power Disks, and from the Developer's Guide.

"The contents of the CD are great! I love having all the information in one single place instead of having to search through piles of paper."

Thomas Rundel



PC in your Pocket

PC in your Pocket

New HP Palmtop book: ideal for users, great gift for interested friends

The editors of *The HP Palmtop Paper* have organized some of their best material into a readable, practical book about the HP Palmtop. The book is filled with hundreds of real-life examples of the HP Palmtop's features and capabilities. Busy professionals describe how they use the HP Palmtop to organize their time, information, and money to be more effective. Order directly from us and we'll include a disk of much of the software mentioned in the book. Written both for users and for those considering purchasing HP Palmtop.

MicroRef Quick Reference Lotus 123 and DOS 5 Guides

Get the DOS and Lotus Answers You Need - Fast and Easy

Locate subjects fast. Numerous examples and illustrations.

"Far superior to any other guide, cheat sheet, or original documentation... an excellent guide for all users.... Highly recommended!" John Dvorak - PC Magazine

HP 100/200LX Developer's Guide

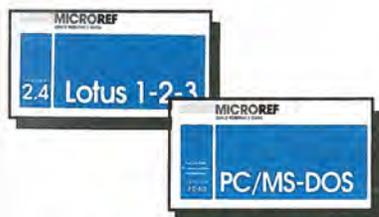
Attention: Palmtop Developers and Enthusiasts

The Developer's Package includes everything you need to write software, design hardware, or simply understand the inner workings of the HP Palmtop.

The Package includes:

- 1) Printed copy of 586-page Developer's Guide
- 2) Disk containing HP-created source code and utilities for developers
- 3) Complete set of kits for marketing your Palmtop product
- 4) CompuServe starter kit (CompuServe's where Palmtop programmers hang out)
- 5) PAL: a C source code library for developing software with the look and feel of the HP Palmtop built-in applications

continued from page 8



MicroRef Quick Reference Lotus 123 and Dos 5 Guides



HP 100/200LX Developer's Guide

Thaddeus Computing INC.

Publisher: *The HP Palmtop Paper* and *HP OmniGo World*
57 East Broadway, Fairfield, IA 52556
800-373-6114 • (515) 472-6330
Fax: (515) 472-1879 • E-Mail: orders@thaddeus.com

Letters: Continued from page 5.

As you can imagine, the knowledge base required is fairly technical and requires that I carry with me a large amount of reference material particularly when I travel. In addition to my laptop and palmtop I probably carry with me 8-12 inches of reference material and in-progress work. Needless to say it is a real pain to drag all this paper with me.

The HP Palmtop has reduced some of this paperwork but not nearly as much as I would like.

Probably the greatest barrier to reducing this paperwork for me is that I'm a very slow typist. Some of the information can be downloaded via floppies to my Palmtop but most of the information needs to be input into a database on my Palmtop to make it more user friendly than just a series of documents.

Most of my co-workers have the same problem I do regarding the input of data into a personal organizer or palmtop. I believe that I'm the only one using a Palmtop though a couple are using "Wizards". It occurred to me several months ago that what this industry needs is for a third-party provider or supplier to market a service to Palmtop users that would create custom databases and input the data into the databases created. Such a service would be a "godsend" to all of us short on time and expertise in creating "custom databases" on the Palmtop. It would be a great way to offer packages of Palmtops

to large companies with marketing and sales forces.

*William D. Patrick
Exxon Chemical Company*

HP Palmtop Paper Helps Novice Users

The HP Palmtop Paper is great! I really look forward to each issue and especially like "Palmtop Wisdom," "Basic Tips," and "Quick Tips."

It does seem, however, that most of your readers have a PC and most of your articles are written assuming that. As a result, the articles don't go into the very basic instructions of exactly how to use the Palmtop. This is especially true in the user profile articles, for example.

I certainly don't expect every article to be basic. That would ruin the magazine for the computer literate. But just one article now and then would help. For example, explain how to use a PC card, how do you back up C drive to A, and how do you recover A drive information you have accidentally deleted from C drive.

*James Newton Bosse
San Carlos, CA*

[Novices should be sure to read our Best Tips issues that cover fundamentals. For example, in Best Tips 1996, on page 4, you will find "Many Ways to Back Up Your files" article. See also in Best Tips 1996, p.15, a tip about how to create a batch file for automatic backups.]

Some people find that reading a text like DOS for Dummies, available at most computer stores, gives background for running DOS. The HP Palmtop manual will also guide you.

We do appreciate your comments, however, and would like to hear from readers about good topics for Basic Tips and other sections of the magazine—Carol de Giere.]

Clocks Create Big View of Current Time

I am trying to find a copy of the program BIGTIME on your CD-ROM InfoBase. Note that if you do a search for it, you get a reference but no details. If the program is on the CD, you've made it impossible to find.

*L.S.
California*

[You are right that BIGTIME didn't make it onto our CD-ROM. We'll include it on this issue's ON DISK. There are other references to clock programs available that fill the entire Palmtop screen with a digital image of the correct time. Check out CLOCK.EXM and VIZCLOCK.EXM. Both of these programs are included on the CD-ROM InfoBase. These are also available from CompuServe's HPHAND Forum — Carol de Giere.]

Palmtops and Pagers

Presently, I am using "PC Beep," a windows program to contact alphanumeric pagers through my PC. I have searched unsuccessfully for a similar DOS-based program that I can load into my HP 200LX and use to send alphanumeric messages to pagers. Are you aware of any DOS-based software that can be used for the above purpose?

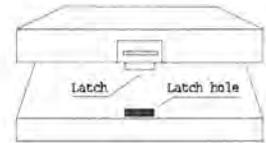
*Stephen Wilson, M.D.
Great Neck, NY USA*

[The solutions we know of involve whole systems, such as the SkyTel pager system described in The HP Palmtop Paper July/August 1996 issue on page 14 and The AllPoints/ Wynd combination with RAM Mobile Data wireless network, described on page 22 of that issue.]

You could check with your pager company to see if they have anything available.— Carol de Giere]

Fixing a broken Palmtop latch

At the suggestion of HP Technical Support, I'm sending you my solution to the problem I had with the Palmtop's latch. The latch is at the top of the Palmtop's screen. When you close the shell, the little lip of the latch slips into the latch hole at the bottom of the keyboard and keeps the shell closed. When I closed the shell, the lid would not stay closed.



Palmtop shell showing latch at top and latch hole at bottom.

The solution was simple. I cut a piece of a thick rubber band to the length and width of the space behind the latch. I slipped it in that space to check the fit, trimmed it to size, and reinserted it with a drop of super glue to hold it in place.

*Floyd Goetze
Eugene, OR USA*

Shareware/freeware mentioned in this article

BIGTIME — Displays clock image on the Palmtop. Freeware. Available on this issue of *The HP Palmtop Paper ON DISK* and on CompuServe's HPHAND Forum, library 11.

CLOCK.EXM — System compliant digital clock display for the Palmtop. Freeware. Available on *The HP Palmtop Paper Best Tips 1995 ON DISK* or on CompuServe's HPHAND Forum, library 7.

VIZCLOCK.EXM — Full screen digital clock with alarms. Freeware. Available on *The HP Palmtop Paper Best Tips 1996 ON DISK* or on CompuServe's HPHAND Forum, library 11.

BASIC TIPS

APPT

Display a month of Events in Appointment Book

Events are items associated with a day, but not a specific time. For example, let's say you know that on a specific day you want to spend one hour cleaning your car. Unfortunately, your schedule is such that you cannot specify which hour you will be able to devote to this activity. You can set it up as an Event and it will appear at the top of your list of appointments at the Appointment screen on that day.

To set up an Event, open Appointment Book and press **[MENU]** **Add Event**. The add Appointment/Event screen pops up with the word None appearing in the Start Time and End Time fields. Enter the Event description, Start Date and any other information you want, then press **[F10]** (Done).

When you view a month (press **[F7]** at most Appointment Book screens) you see the Appointments and Events that

you have selected to appear in the Month view. (When entering an Appointment or Event make sure the Month view check box is checked.)

Users entering daily (weekly, monthly, etc.) repeating Events may want to de-select the Month view at the Appointment/Event entry screen so that the Event will not clutter up your Month view. This way you can display only those Events associated with a specific day.

If you want to see a month view of all the Events you have set up (selected or de-selected), you can. To do this, press **[MENU]** **View All Events** from the Appointment screen. The month view that appears shows only Events, no Appointments appear. Press **[F9]** to go back to the Daily view, **[F8]** for the Weekly view, or **[F7]** for the Monthly view of Appointment Book.

[Note: The Month view only shows the first 10 characters of the Event or Appointment description. If you enter your event as "Need to work on the Smith account," the Month view displays

it as "Need to wo." Not very informative! Better to enter it as "Smith Act, work on." Then you see "Smith Act," in the Month view. Still brief, but at least you know what the event is about.]

Rich Hall
HP Palmtop Paper

Move around quickly in Appointment Book's Month view

You can move around quickly in Appointment Book's Month view by using the following shortcuts.

[Fn] [UpArrow] — Moves the cursor to same day position in the previous month. For example, if your cursor is on the first Monday in July, pressing **[Fn] [UpArrow]** moves the cursor to the first Monday in June.

[Fn] [DownArrow] — Moves the cursor to same day position in the following month. For example, if your cursor is on the first Monday in July, pressing **[Fn] [DownArrow]** moves the cursor to the first Monday in August.

[Fn] [LeftArrow] — Moves the cursor to the first day in that month's Month view (not necessarily the first day of the month).

[Fn] [RightArrow] — Moves the cursor to the last day in that month's Month view (not necessarily the last day of the month).

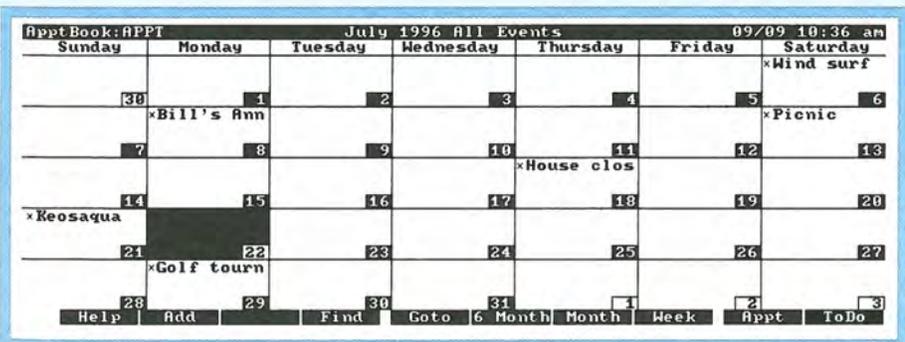
[CTRL] [LeftArrow] — Moves the cursor to the last appointment selected to display in Appointment Book's Month view (i.e., the most recent appointment relative to where the cursor is now). For example, if your cursor is on July 28th, pressing **[CTRL] [LeftArrow]** will move the cursor to the most recent appointment showing in Appointment Book's Month view, in this case July 5th. If the most recent appointment was in a previous month, the cursor would go to that month.

(A dash (-) in front of an appointment signifies an appointment that occurs in the pm. Appointments without a dash (-) in front of them fall in the am. Events are preceded by an "x.")

[CTRL] [RightArrow] — Moves the cursor to the next appointment selected to display in Appointment Book's Month view. For example, if your cursor is on July 5th, pressing **[CTRL] [RightArrow]** moves the cur-



Appointment Book's main screen showing Events appearing at the top of the screen with no specific time assigned.



All Events month view. From Appointment Book press **[MENU]** **View All Events**. To distinguish Appointments from Events, Events are preceded by an "x."

sor to the next appointment showing in the Month view, in this case July 28th. If the next appointment selected to display in the Month view was in a following month, the cursor would go to that month.

*Paul Merrill
HP Palmtop Paper*

Phone Book

Customize the information on the 200LX's DataCard

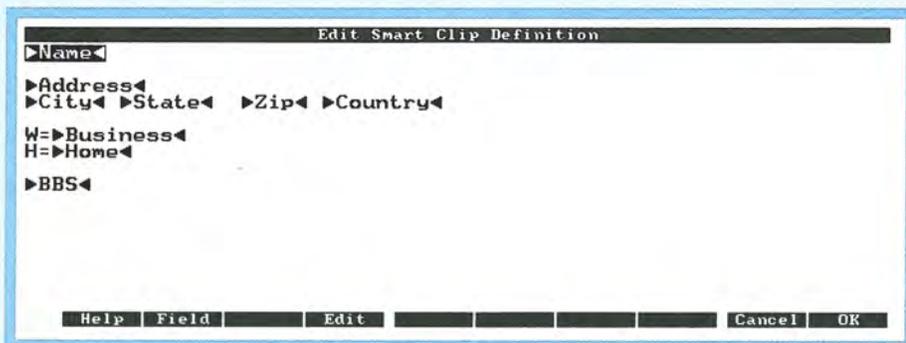
The DataCard (the index card that appears on the right side of your screen in Phone Book) is really only a Smart Clip of the information in a data record. You can edit the existing definition of the DataCard Smart Clip. To do this:

1. At the All Phone Book Items screen press **F5** (Clip).
2. At the Smart Clip screen, use the ArrowKeys to highlight "DataCard," then press **ALT** **Edit**.
3. Re-arrange the fields to your liking by cutting and pasting. (To add a field not listed, press **F2** (Field), use the ArrowKeys to highlight the field you want to add, then press **F10** (OK).

You can add lines between your entries by placing a dash (-) (for a thin line) or an equal sign (=) (for a thick line) between lines at the Edit Smart Clip Definition screen. If you put the (-) or (=) at the end of a line containing a field, it will show up only as the character it is and will not create a line.

4. When you are done, save the Smart Clip by pressing **F10** (OK) **F10** (OK).

Another benefit of the DataCard is that it lists the number of the entry and the total number of entries at the bottom of the DataCard. For example, 164/426 means you are viewing the 164th entry and that the total number of entries in your Phone Book is 426.



Edit Smart Clip Definition screen for the DataCard.

NoteTaker

Copy a text file from your desktop to NoteTaker

Here's how to transfer a text (word processor) file to NoteTaker on your Palmtop from a desktop or laptop.

1. On the desktop or laptop, save the file as an ASCII text file. (Refer to your word processor's user manual if you don't know how to do this.)

2. Transfer the ASCII file to your Palmtop. You can do this in two ways.

- a. Copy the file to your Palmtop's PC Card using an external PC Card drive or one mounted in your desktop or laptop. Insert the card into the card slot on your Palmtop.
- b. Copy the file to your Palmtop's C drive using a serial cable and the Palmtop's built-in Filer application. (For more information on transferring files from a desktop/laptop to your Palmtop, see "Connectivity Pack, Transferring files" in your HP Palmtop User's Guide).

3. Go to NoteTaker by pressing **CTRL** **MEMO**. Open the NoteTaker entry you want to add the ASCII file to. (To open a new NoteTaker file, press **F2** (Add).)

4. Press **F3** (Note) to display the Full Screen Note.

5. Position the cursor where you want to insert the text file and press **F3** (Insert). The Insert file into Note screen appears. Enter the path and filename of the ASCII file you want to insert (for example, C:_DAT\NOTE.TXT), then press **F10** (OK). The text file appears in the Note field of your NoteTaker file.

Use this same procedure to insert an ASCII file into a Note field in Database, Phone Book and Appointment Book.

HPCALC

HPCalc's Calculator has alternate function keys on Palmtop keyboard

In HPCalc's calculator mode, the bottom row of keys (Z, X, C, V, B, etc.), along with the L key above become redefined. In the calculator mode these keys perform the various functions printed in white below them. Here is a list of these alternative key modes and what they do.

Z (square root symbol) — Calculates the square root of the number in the calculation line. For example, if you enter 16 in the calc line and press (Z), the calc line displays the square root of 16 (=4).

X (1/x) — Calculates the reciprocal of the number in the calc line. For example, if you enter 4 in the calc line, then press (X), the calc line displays .25.

C (x>y) — Exchanges the number in the calc line for the result of the previous calculation.

If the calc line contains two numbers separated by an operator (e.g. /, +, -, x), and you are not set up in Reverse Polish Notation (RPN), this function swaps the order of the numbers. For example, 3/4 changes to 4/3.

V (R followed by a DownArrow) — Enters the number from stack 1 (stack Y in RPN) into the calc line.

B (LAST) — In Algebraic mode (not RPN), this function copies the result of the previous calculation into the current calculation.

N (STO) — Stores the number in the calc line to a designated register (ie., stores the number in the calc line to a number key you designate). E.g., if you enter 3,452.78 in the calc line, and press **N** **STO** **3**, the number 3,452.78 is stored under the 3 key. (To call that number back into the calc line at any time, press **M** (RCL) **3**.)

M (RCL) — Recalls a number you stored previously (when you pressed **N** (STO)), from the register you stored it to.

L (+/-) — Makes a positive number negative, or a negative number positive. For example, if you press (+/-) while the number 118 is in the calc line, it changes it to -118. Pressing (+/-) a second time makes the number positive again.

*Tom Gibson
HP Palmtop Paper*

▲▲▲ QUICK TIPS ▲▲▲

Appointment Book

Save directions for out-of-the-way addresses

You have friends (or business contacts) located somewhere out in the country on a little-know road off of Rural Route 5. Having an address is helpful, but distances in the country are large, you're usually not familiar with the area, and houses can be located down long driveways not visible from the road.

The solution is to take down specific directions for an address in unfamiliar territory. First save the name, address, and phone number in Phone Book. Then press **F3** and save specific directions to their house in the Notes field. (E.G., "Take Rural Route 5 three miles past the airport, turn left (south) on Hasker Road and go 1.5 miles till you see a stand of pine trees...")

*Rich Hall
Managing Editor,
HP Palmtop Paper*

Get around Appointment Book's delete limit

The Palmtop will not let you delete a repeating Event more than 100 times. If you have a daily repeating Event (that you also delete daily), you will eventually get an error message telling you that you cannot delete an Event more than 100 times. To get around this obstacle, follow the steps below.

1. When you get an error message telling you that you cannot delete an Event more than 100 times, press **ESC** to clear the message from the screen.

2. Highlight the Event at the Appointments screen, then press **ENTER**.

3. At the Appointment/Event screen, press **F8** (Repeat).

4. At the Daily Repeat Options screen, use the ArrowKeys to select the **No Repeat** option, then press **F10** (OK) **F10** (Done).

5. At the Appointments screen, go back into the Event (by pressing **ENTER**) and change the Repeat option back to Daily.

*Paul Merrill, Associate Editor
HP Palmtop Paper*

DOS

Show all files in a directory

If you use the "DIR," command in DOS 5.0 and later (that's DIR followed immediately by a comma), you get a complete listing of all the files in the directory, regardless of their attributes. This means any hidden files that normally wouldn't show up using the regular DIR command, are listed using this command.

You can also use the DIR command with /b, /L, /ON etc., to get a more specific directory listing. To get a list of ways you can customize your DIR command, type DIR /? at the DOS prompt.

*Ed Keele
Internet ID:
75300.3667@compuserve.com*

Connectivity

CPACK problem solved

If you start APP100 (or APP200 depending upon the version of the Connectivity Pack you use), but get an error message when trying to start



FILER.INI text entered in a Memo document.

Filer, check to see if the Lotus 1-2-3, DataCom or World Time icons are displayed on CPACK's Application Manager screen. If they are they shouldn't be. The Connectivity Pack does not include these applications, and you can't use them from Application Manager.

The error probably occurred when you were backing up or copying files from your Palmtop to the PC — the Palmtop's APPMGR.DAT file was accidentally copied to the C:\CPACK100 (or C:\CPACK200) directory on the PC. The next time APP100 or APP200 runs, it tries to use the Palmtop's AppManager data file.

The solution to this problem is simple. Delete APPMGR.DAT from the CPACK directory, and everything should work just fine. To prevent this problem in the future, create a separate directory to copy files to/from the Palmtop instead of using the CPACK subdirectory of your hard drive.

*Tom Gibson
HP Palmtop Paper*

Filer

Creating and using FILER.INI

The 200LX has an undocumented Launcher feature that

allows you to highlight a file in Filer and press **ENTER** to launch the program. Create a FILER.INI file in the C:_DAT subdirectory with the following format, substituting your favorite programs where they don't match mine. To create the FILER.INI file, in Memo, press **MENU** **File** **New** to start a new file, and enter the text shown in the screen above.

```
[Launcher]
GIF=a:\binn\grey.exe
SND=a:\snd\play.exe
ZIP=a:\binn\pkunzip.exe
TXT=a:\ved\ved.exe
PCX=a:\binn\mappot.exe
```

On the left side of the equals (=) sign is the extension of the file you will highlight in Filer. On the right is the COM or .EXE file to launch. FILER.INI cannot be used to launch batch files.

*Fred Kaulman [TeamHP]
Compuserve ID: [72560,36]*

Memo

Spell check Memo documents quickly

I use a spell checking program which is the best I have ever seen for the Palmtop! GDSPELL Ver.3.0b **F** is a fast, easy spell checker. It includes a fast dictionary for the quick lookup of about 20,000 common words, and an auxil-



GDSPELL screen showing information about the file just spell checked.

ary dictionary of another 85,000 less common words. GDSPELL allows you to build your own auxiliary (AUXI) dictionary of words you commonly use.

I use GDSPELL together with MF.EXE. MF.EXE is a small utility that loads the last file you edited in Memo. I put GDSPELL in a directory I set up as A:\GDSPELL, then made a batch file (MEMOCHK.BAT) that I can run from an icon in Application Manager. The batch file opens the last document I had open in Memo, and spell checks it. The batch file contains the following line:

```
A:\GDSPELL\MF SPELL \M
```

I added MEMOCHK.BAT to my Application Manager as follows:

Name: SpellChk
Path: A:\GDSPELL\MEMOCHK.BAT|320
Comments: (I entered an upside down question mark here by pressing **[FN] [?]**)
Icon: (I added an Icon.)

After I have typed and saved a Memo document, I start the spell checker from the Application Manager. GDSPELL checks my documents with a speed which I have never seen before on a Palmtop spell checker.

Jorgen Wallgren, Jakarta, Indonesia
 Internet ID: wallgren@singnet.com.sg

Misc

Chinese Software for HP 100/200LX

You can now write documents in Chinese on a non-Chinese

Palmtop. The author of the program, Ni Hongbo, has kindly made his NJSTAR 2.1 for CGA monitors available for downloading on:

<http://www.njstar.com.au/njstar/chinese.htm>

It is freeware and the file name is NJCGA21.ZIP. It works on the HP 100/200LX. You can write documents in Chinese using this software. From my experience, NJSTAR is the fastest in inputting Chinese (especially if you use pinyin input method).

Susheng Wang
 Internet E-Mail: sswang@usthk.ust.hk

Get a free battery supply and help the environment at the same time!

Here's a great opportunity for Palmtop users. We Palmtop owners are very battery-conscious, as evidenced by the many power management programs available, and the many articles in *The HP Palmtop Paper* on batteries.

My wife works in a large supermarket that has its own photo processing plant on the premises. When a customer turns in one of those throw-away disposable cameras for film processing, the batteries inside are still in great shape! As the use of these cameras was becoming widespread, environmentalists made quite a stink about all the batteries being thrown away, so Kodak made a big show of announcing a recycling program for them. What Kodak did not publicize, however, is that they charge the stores quite a

fee to recycle these batteries. The end result is that very few businesses recycle their batteries. It is much cheaper to just throw them out.

At my wife's store, the photo manager is very recycling-conscious, so they set the batteries aside as they open the cameras, and give them away to the employees. I haven't bought batteries in a year! When I put them in the Palmtop, I always get a reading of between 2.90 and 3.02 volts for the two batteries! I must conclude that these batteries still have at least 90% capacity remaining after they have fulfilled their function in the camera. If other Palmtop users approach photo processing stores and stress the waste that is going on because of this type of camera, they too might end up with a free battery supply, and would be helping our environment at the same time!

Jim Henry
 Internet ID: jim.henry@airpower.com

World Time

Tracking Hurricanes on the Palmtop

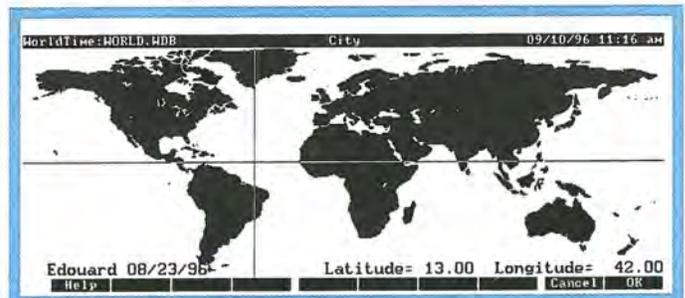
I have always been fascinated with the powers of nature, and an avid watcher of hurricanes. Now, with my HP Palmtop I can actually follow the path of a hurricane in progress. Here's how.

At the time of this writing there is a hurricane in the Atlantic ocean named Edouard that has just been declared a "4" in intensity. Hurricanes are given a status

from 1 (weakest) to 5 (strongest) based on wind speed and destructive power. Edouard was declared a hurricane on Friday, August 23, 1996. At that time its location was in the middle of the Atlantic Ocean with an actual location of Latitude 13.9 and Longitude 39.1. (Latitude and Longitude information can be found in most newspapers and in various locations on the Internet). This gives us enough information to start tracking Edouard. To do this follow the steps below.

1. Open World Time on your Palmtop by pressing **[CTRL]-[HPCALC]**.
2. Add Edouard to World Time. To do this, press **[F2]** (Add). Start by entering two (2) spaces so that this entry will appear at the top of World Time each time we open it. Enter the name "Edouard" followed by the date (e.g. Edouard 08/23/96).
3. Press **[ALT]-[D]** to move to the Latitude field. Enter 13.9.
4. Tab to the Longitude field, and enter 39.1.
5. Press **[F8]** (Locate). World Time displays the exact location of the hurricane in the middle of a pair of cross-hairs.
6. Press **[ESC]** or **[F9]** to return to the City screen, then press **[F10]** (Done) to return to the All Cities list.

We have added the first day of Hurricane Edouard. To track Edouard add a new "Edouard" entry to the World Time All Cities list every day



World Time's Map screen showing Edouard's location in cross-hairs.



World Time's Map screen showing Edouard's location as a circle (circle blinks on Palmtop display).

until the hurricane is downgraded.

TRACKING THE HURRICANE
Using this method, you may be able to predict the location where the hurricane will hit land. To do this, after you have tracked Edouard for four or five day's worth of locations:

1. Highlight the first Edouard entry, and press **(F10)** (Map). The blinking circle you see on your screen is the location of the hurricane on the first day.

2. DownArrow to your second entry for Edouard and view its location in the same way, then the third entry, and so forth. Watch the progress of Edouard over the days you have tracked it. From the movements you have recorded you can try to predict Edouard's next move.

When you are done tracking the hurricane, simply delete these "Edouard" entries from your World Time list by highlighting each entry and pressing **(Spacebar)** to tag them. When you have tagged all the entries you want, press **(DEL)**, then press **(ENTER)** (OK).

Tom Gibson
tom_gibson@thaddeus.com

Connectivity

Use WINFILER to copy files to and from WIN95

Many Palmtop users have had trouble transferring files to and from their Palmtops and a desktop or laptop run-

ning Windows95. The shareware program WINFIL10.ZIP allows your Palmtop's Filer application to work in conjunction with a PC running Windows95. (WINFILER was written for the 200LX, but should work on the 100LX as well.)

To install WINFILER on your Windows95 desktop or laptop:

1. Run Windows 95 on your desktop or laptop PC.
2. Create a WINFILER directory on your PC.
3. Unzip WINFILER.ZIP using PKUNZIP. Put the unzipped files in the WINFILER directory.

Shareware/freeware mentioned in this section

GDSPELL.EXE — Spell checker for the Palmtop. Shareware Available online at: <http://www.os2bbs.com/malka/hp-soft.htm> ...Or at ... <http://users.aol.com/GDSOFT/gdsoft.html>

MF.EXE — Utility that loads last file into Memo. Freeware. Available on CompuServe's HPHAND Forum, library 11.

WINFILER — Utility for file transfer between the Palmtop and a desktop or laptop running Windows95. Shareware. Available on CompuServe's HPHAND Forum, library 9.

NJCGA21.ZIP — Chinese language translator. Freeware. Available on line at: <http://www.njstar.com.au/njstar/chinese.htm>

4. The following files must be in your WINFILER directory:

- WINFILER.EXE
- WINFILER.HLP
- WINFILER.CNT

5. To be able to call up WINFILER.EXE quickly, create a shortcut key following Windows95 procedures (optional).

To un-install WINFILER:

1. Delete the following files from your desktop (laptop) PC:

- WINFILER.EXE
- WINFILER.HLP
- WINFILER.CNT
- <WINDOWS-DIRECTORY>WINFILER.INI

2. Delete your shortcut key using Windows95 procedures.

Juha Husgafvel
Internet ID: hysky@tuug.utu.fi
or...
hysky@utu.fi

HP Product Index

[Please find the price and contact information for commercial products mentioned in the articles at the end of the article in which the product is mentioned.]

HP Products contact information: Authorized HP computer dealers worldwide (i.e. the same place you can purchase an HP LaserJet). To locate an authorized dealer in the USA, call 800-443-1254. You can also purchase the 95LX & 100/200LX and its accessories from **ACE Technologies** at 800-825-9977 or 408-734-0100; Fax: 408-734-3344; **EduCALC** at 800-677-7001; Fax: 714-582-1445. **Global Connections** at 800-709-9494 or 608-752-1537; Fax: 608-752-9548; **Notebook Supply Warehouse** at 800-566-6832 or 714-753-8810, Fax: 714-753-8812.

HP OMNIGO 100 PRODUCTS

- HP OmniGo 100** (HP F1310A) — \$349
- HP OmniGo Connectivity Pack** (HP F1311A) — \$99.95
- CLIP & GO** (HP F1312A) — \$64.95
- HP OmniGo 100 Connectivity Cable** (HP F1015A) — \$24.95
(Same as HP 100/200LX PC Connectivity Cable)
- HP OmniGo 100 Strategy Games** (HP F1313A) — \$49.95
- HP OmniGo 100 Accessory Pens** (HP F1314A) Includes three pens. — \$9.99

HP PALMTOP PRODUCTS

- HP 200LX 2MB** (HP F1061A) — \$679
 - HP 200LX 1MB** (HP F1060A) — \$499
 - HP 1000CX Palmtop PC** (HP F1203A) — \$399
 - HP OmniGo 700LX** — \$NA
(Combination HP 200LX, fax software and Nokia GSM cellular phone.)
 - HP StarLink Service** — \$Varies
(Wireless messaging service, for "one-stop communications solution." Contact: 800-917-LINK.)
 - 1.8MB/12v Flash Card** (HP F1024A) — \$199
 - 5MB/12v Flash Card** (HP F1012A, with Stacker) — \$365
 - 10MB/12V Flash Card** (HP F1013A, with Stacker) — \$579
 - Dictionary/Thesaurus Card** (HP F1005A) — \$129.95
 - AC/DC Adapter** (HP F1011A) — \$34.95
USA/Canada (Opt. ABA); Europe (Opt. ABB); Australia (Opt. ABG); United Kingdom (Opt. ABU); South Africa (Opt. ABQ)
 - PC Connectivity Cable** (HP F1015A) — \$24.95
 - MAC Connectivity Cable** (HP F1016A) — \$24.95
 - 100/200LX Connectivity Pack** — \$109.95
U.S. (HP F1021B); International (HP F1021C)
 - Connect/Adapter Kit** — \$24.95
(HP F1023A) 4 adapters for connecting the 100/200LX to modems, printers, and PCs.
 - Service Agreements** (100/200LX, 2-year extension) — \$85
For U.S. HP Palmtop users. Units must be under warranty to extend. Contact: *HP, Corvallis Service Center, USA; Phone: 503-757-2002.*
- NOTE:** Prices listed are suggested retail price. Dealer prices may vary.

HOW TO CONTACT US

[Please note: *The HP Palmtop Paper does not and cannot provide technical support.*]

There are a number of ways to get in touch with *The HP Palmtop Paper* staff. You can write, mail us a disk with your comments, send CompuServe or Internet e-mail, fax, or call. Our mailing address and contact information is:

Thaddeus Computing, Inc.,
57 E. Broadway
Fairfield, IA 52556, U.S.A.
Phone: 515-472-6330
or 800-373-6114
Fax #: 515-472-1879
Internet: letters@thaddeus.com
CompuServe: 76125,1773

TO SUBSCRIBE, change address, or clear up any problem with your subscription, contact Sharon Dilmore in our subscription department. Call phone numbers above. E-mail us at: orders@thaddeus.com
 CompuServe: 76125,1773

TO ADVERTISE in *The HP Palmtop Paper* contact Brian Teitzman, Margaret Martin or Tiffany Lisk at phone: 515-472-1660 or 800-809-5603; Fax: 515-472-8409.

Technical Support

HP Technical Support — HP offers technical support from 8:00am. - 5:00pm. P.S.T. Phone: 970-392-1001.

On-Line Support—offered by these bulletin board services.

- COMPUSERVE: GO HPHAND FORUM — Call 800-848-8199 or 614-457-0802: For FREE membership state #231.
- AMERICA ON LINE: Keyword PALMTOP — Call 800-827-6364 or 703-893-6288 for membership information.
- INTERNET: comp.sys.palmtops; or comp.sys.handhelds

How to Submit an Article

The richness of *The HP Palmtop Paper* comes from the contributions of Palmtop PC users. We and your fellow users welcome your submissions. (We do not offer payment for articles, your reward is knowing that you've helped others.)

If you have a good idea and want to "go for it," send it in via CompuServe e-mail [75300,2443], Internet: hal_goldstein@thaddeus.com, or send disk or hard copy to Hal Goldstein or Rich Hall at the above address. Alternatively you can send an outline of your idea. We will try to guide you as to when and whether we would use the article and contact you if we need clarification or have any suggestions — please include your phone number. We may want to use an article but for a variety of reasons you may not see it for many months. Please understand that we cannot promise to run any particular article at any particular time.

If you can, especially if you write a Palmtop Profile, send us a photo of yourself — black and white is preferred, but color is acceptable.

Products advertised in this issue of The HP Palmtop Paper

COMPANY	(PRODUCT)	[PHONE/FAX NUMBERS]	PAGE NUMBER
Accurite	(Floppy Drives for 100/200LX)	[408-433-1980; Fax: 408-433-1716]	.47
ACE	(ACE)	[800-825-9977 or 408-734-0100; Fax: 408-734-3344]	.center fold
	(Palmtop/Omnibook Products include: ACT! for HP Palmtops; ACE<->FAX Fax Software and Modem Bundles; ACE<->LINK File Transfer Software; BATTman Battery Monitoring and Data Protection Software; Carrying Cases; Desktop Card Readers; Acoustic Modem Couplers; HP 200LX Palmtop Systems; HP Color Omnibook Software; NiMH Batteries; Printers and Accessories; X-JACK Megahertz Modem Bundles, SkyTel 2-Way Paging.)		
	(DoubleFlash Plus PC Memory Cards, HP 200LX 5MB RAM Upgrade)		back cover
ASF	(Palmtop Computer Light)	[800-771-3600 or 800-936-3638; Fax: 516-868-6897]	.15
ConnectUS Wireless Comm	(Wireless Messaging)		.39
DataViz	(MacLink Plus)	[800-406-6504 or 203-268-0030; Fax: 203-268-4345]	.41
DTS Wireless Messaging	(Wireless Messaging Service)	[800-967-0943 or 908-602-1144; Fax: 908-602-0990]	.35
E & B	(Leather Cases)	[800-896-2273; Int'l: 916-344-5047; Fax: 916-782-9306]	.13
EduCALC	(Accessories)		[800-385-9376].5
Envoy Data	(PC Cards, PC Card Products)	[800-368-6971 or 602-892-0954; Fax: 602-888-9838]	.15
EXP Computer	(ThinFax Modem)	[800-EXP-6922 ext. 641 or 714-453-1020; Fax: 714-453-1319]	inside front cover
Greystone Peripherals	(PC Cards/Drivers/Adapters)	[800-600-5710 or 408-866-4739; Fax: 408-866-8328]	.48
Greenwich	(Palm Link)	[800-476-4070 or 704-875-8490; Fax: 704-875-2801]	10
Immax	(CGA VGA Graphics Pack Vision)	[604-980-9991; Fax: 604-985-5597]	.19
IntelliLink	(Windows Connectivity Pack)	[603-888-0666; Fax: 603-888-9817]	.21
Intuit	(Quicken Connect)	[415-944-6000; Fax: 415-462-2955]	.11
MagicRAM	(Flash Card/Hard Drive/Card Drive)	[800-272-6242 or 213-413-9999; Fax: 213-413-0828]	.19
Mobile Planet	(PC Cards)	[800-675-2638 or 818-888-7267; Fax: 818-888-3484]	18
Notebook Supply Warehouse	(Memory upgrades and assorted products)	[800-566-6832 or 714-753-8810; Fax: 714-753-8812]	.17
palmtop.com	(E-Mail Subscriptions)	[408-450-3467; Fax: 408-321-3603]	.14
Quatech	(Parallel Port PC Card)	[800-553-1170 or 330-434-3154; Fax: 330-434-1409]	.23
RadioMail	(Wireless Messaging Service)	[800-597-6245 dept. NT3]	inside back cover
Shier Systems	(CompuServe Access Software, other Palmtop accessories)	[805-371-9391; Fax: 805-371-9454]	.3
Steele Creek Technologies	(CardLink Drives)	[Phone/Fax: 704-588-1780]	.16
Sycard	(Memory Cards)	[408-749-0130; Fax: 408-749-1323]	30
Thaddeus Computing	(Subscriptions: HP Palmtop Paper, HP Palmtop Paper ONDISK HP OmniGo World)	[800-373-6114 or 515-472-6330; Fax: 515-472-1879]	.8
	(Knowledge products: HP Palmtop Tech Ref. Manual, Lotus/DOS Reference Books, HP PTP's CD InfoBase)		.49
Times2 Tech	(HP 200LX 5MB RAM Upgrade)	[Phone/Fax: 205-820-1408]	.34
TransDigital	(Parallel Port Adapter)	[Phone: 510-745-9777; Fax: 510-745-9937]	.47
Wynd Communication	(Wireless Messaging)	[800-549-9800 or 805-781-6000; Fax: 805-781-6001]	.27

Shareware and Freeware Index (September/October 1996) Software on The HP Palmtop Paper ON DISK or CompuServe

PRODUCT	FUNCTION	CIS FORUM / LIBRARY	TYPE	PAGE
ADVERT.ZIP	Text: Descriptions of products advertised in this issue.	NA	Free	NA
BATTLOG.ZIP	Utility: Checks battery voltage on 100/200LX.	HPHAND/11	Free	7
BIGTIME	Clock: Give large clock image.	HPHAND/11	Free	50
ERD23.ZIP	Utility: Facilitates removal of directories and files.	HPHAND/11	Share	9
FMS-CLOG.GDB	Database: Letter/fax archive.	NA	NA	45
GDSP300B	Application: Spell checker for the Palmtop.	*4	Share	53
GO100.ZIP	Game: Strategy game.	*1	Share	9
HIT.EXE	Game: Animation of duck smashing a computer.	HPHAND/11	Free	2
HPFAX106.ZIP	Application: Sends faxes from DOS command line.	*2	Share	9
HV2.ZIP	Application: HTML document viewer for the Palmtop	HPHAND/11	Free	6,12
ICE200.ZIP	Application: For changing Application Manager's icons.	*2	Free	9
LIFEMGMT.GDB	Database: Time management database.	NA	NA	36
MF.ZIP	Utility: Loads file into Memo.	HPHAND/11	Free	54
MT.ZIP	Application: Tracks mileage and gas expenditures.	*1	Share	9
NJGA21.ZIP	Application: Allows tax to be entered in Chinese.	*5	Free	54
PAC.ZIP	Game: Pac-Man game.	*3	Share	9
PE-2.ZIP	Application: Text editor.	HPHAND/11	Free	21
PPAL.ZIP	Application: Monitors batteries, serial port, etc.	HPHAND/11	Free	9
PTP29.ZIP	Text: The HP Palmtop Paper, Sep/Oct. 96.	NA	NA	NA
PTPDSK29.ZIP	Database: PTP OnDisk Index in .GDB format.	NA	NA	NA
README.ZIP	Text: Cover letter to the HP Palmtop Paper OnDisk.	NA	NA	NA
REVOLT.ZIP	Utility: Includes ReVolt and DeVolt; monitor batteries	*1	Free	9
SMC.ZIP	Application: C compiler.	*1	Free	9
TSEJRA.ZIP	Application: Text editor.	PCTECH/16	Share	21

*1.) <http://eddie.mit.edu/pub/hp95lx/NEW/> *2.) <http://w3.one.net/~hamm/stuff/hpfax106.zip> *3.) <http://www.hkstar.com/~terrence>
 *4.) <http://www.os2bbs.com/malka/hp-soft.htm> *5.) <http://www.njstar.com.au/njstar/chinese.htm>

Software mentioned and included in past issues of The HP Palmtop Paper ON DISK Subscriber's PowerDisk, or CompuServe's HPHAND Forum

BACKGM.ZIP, (Best Tips 96), Game: Backgammon for the HP Palmtops, (HPHAND/11), Free, 45; CLOCK.ZIP, (Best Tips 95), Clock, (HPHAND/11), Free, 50; GEMCAP, (Nov/Dec 94), Application: For graphics capture (PCUTIL/3), Share, 23; FLEXPAD.ZIP, (May/June 96), Application: Text editor (HPHAND/11), Share, 24; FREYJA, (Mar/Apr 94), Application: Text editor, (HPHAND/7), Free, 21; KLON95.ZIP, (Best Tips 96), Game: Solitaire, (HPHAND/7), Free, 45; LXB.ZIP, (Mar/Apr 96), Utility: Batch file programming tool, (HPHAND/11), Free, 45; N103PT.ZIP, (May/June 96), Application: Net-Tamer suite for the Internet, (HPHAND/11), Share, 12; PCHESS.ZIP, (Best Tips 96), Game: Chess game for Palmtops, (HPHAND/11), Share, 45; PICEM, (July/Aug 94), Utility: Displays .GIF graphic files, (IBMNEW/5), Free, 22; VCLOCK (May/Jun 95), Clock, (HPHAND/11), Free, 50; VDE.ZIP, (Nov/Dec 95), Application: DOS word processor (HPHAND/7), Share, 21; VR100.ZIP, (Power Disk 94/95), Application: Vertical text reader (HPHAND, 11), Free, 45; WINFILER, (July/Aug 96), Application: For file transfer between Windows 95 and Palmtop, (HPHAND/9), Share, 55

TO ORDER the HP Palmtop Paper ON DISK, see order card page 8

TURN YOUR
HP PALMTOP
INTO
THE WORLD'S
MOST
PORTABLE
INTERNET
ADDRESS

**Communicate with almost anyone in the world
right from your HP Palmtop.**

WIRELESS EMAIL
WORLD WIDE WEB ACCESS
TWO-WAY PAGING



WIRELESS FAX
STOCK MARKET ACCESS
FREE NATIONWIDE ROAMING

...ALL FOR LESS THAN THE COST OF PAGING.

RadioMail.
The better faster cooler way to stay in touch.

800-597-MAIL
WWW.RADIOMAIL.NET



YOUR TOTAL PALMTOP UPGRADE SOLUTION

DoubleFlash®Plus

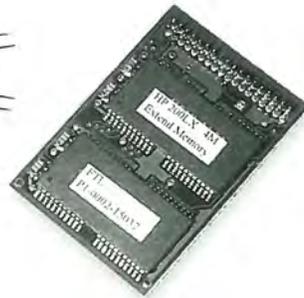
- ✓ Rugged, No Moving Parts
- ✓ No Batteries Required
- ✓ Plug-&-Play Installation
- ✓ Built-in Data Compression
- ✓ Built-in Battery Management Supports NiCd, NiMH, Alkaline & Lithium batteries
- ✓ HP Palmtop Optimized Driver
- ✓ Optional ROM Installation Card
- ✓ Three power modes
- ✓ 5 Volts only
- ✓ 300,000 hours MTBF
- ✓ Shock resistant to 1,000 G
- ✓ One Year Warranty



New Lower Prices!

DoubleFlash+Plus Solid State Storage

DoubleFlash+ 6M (up to 6MB)	\$199
DoubleFlash+ 10M (up to 10MB)	\$269
DoubleFlash+ 20M (up to 20MB)	\$399
DoubleFlash+ 40M (up to 40MB)	\$669
DoubleFlash+ 80M (up to 80MB)	\$1,099



Features

- ✓ 6MB HP 200LX with C: drive over 5.3MB
- ✓ Ultra-low power static RAM design for excellent battery life
- ✓ Included software allows memory to be used as EMS memory
- ✓ Perfect for use with FAX modem cards - you can now receive and store your faxes on your HP 200LX
- ✓ Use with Software Carousel(tm) to run multiple DOS programs simultaneously with System Manager
- ✓ Compressible with ACE DoubleRAM software to over 10MB!
- ✓ Price includes installation by ACE

RAM+Plus & Double Speed

6MB HP 200LX	\$889
5MB HP 200LX	\$749
5MB RAM+Plus Memory Upgrade (Made in Japan)	\$449
5MB TechRAM Memory Upgrade (Made in U.S.A.)	\$249
DoubleSpeed Upgrade	\$89
DoubleSpeed Upgrade purchased with Memory Upgrade...	\$50

1-800-825-9977



See our complete catalog at <http://www.ace-tech.com>