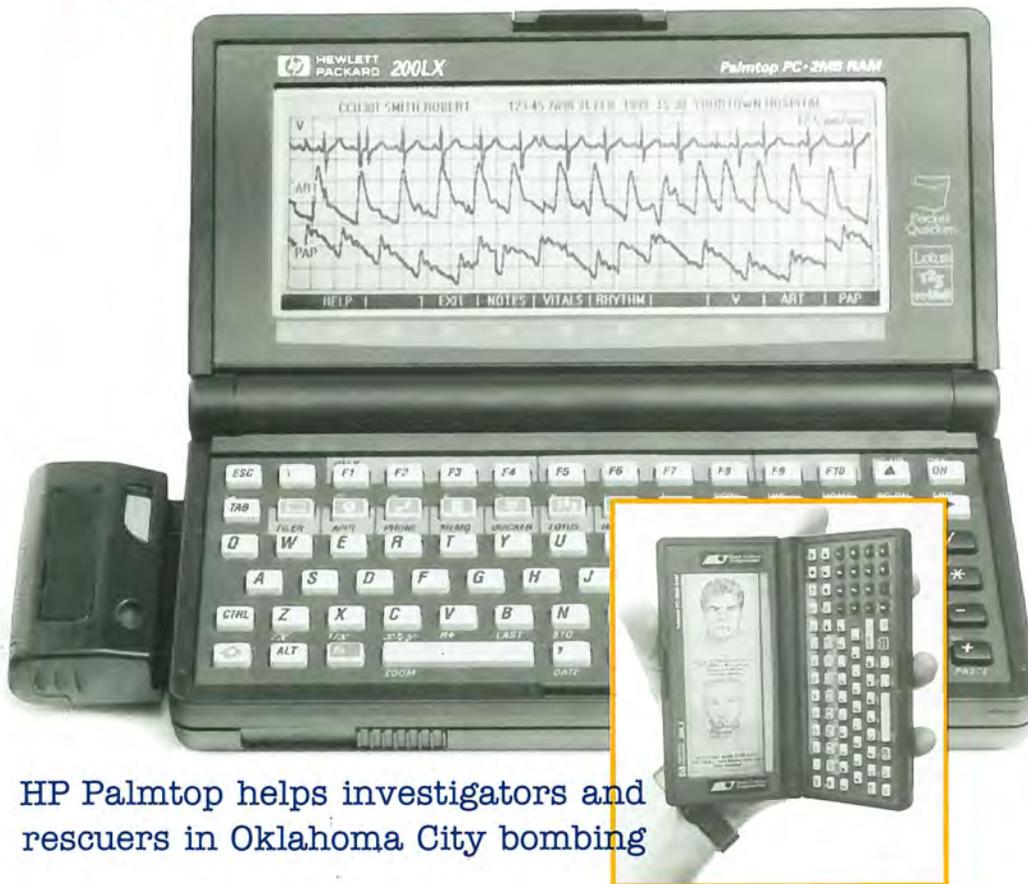


# THE HP Palmtop Paper

## New HP PalmVue System

Critical patient data available to the physician...anywhere!



HP Palmtop helps investigators and rescuers in Oklahoma City bombing

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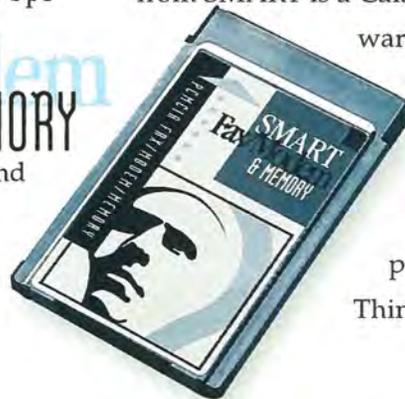


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# Publisher's Message



Top: Hal Goldstein  
Bottom: Robert Roney and Richard Hall

We, HP Palmtop users throughout the world, use our little machine in three ways: for data access, data creation, and data communications. The most common use is for reference (data access) to check our todo's, phone entries, databases, spreadsheets and so forth. In fact, we devoted the last issue to using the HP Palmtop as an always-handly reference library.

Of course, we also use the Palmtop to create data — our PhoneBook, DataBase and ToDo entries; financial transactions in Pocket Quicken; 1-2-3 spreadsheets; NoteTaker entries and Memos. Most of the activities we perform on the Palmtop are for personal organization and computation. However, as technology progresses and we see possibilities, we will be spending more time with our Palmtop communicating

with the rest of the world.

In this issue we build on past HP Palmtop Paper data communication discussions (Fax/Modem cards, wireless receivers, data transfer products, CompuServe and Internet access, and so forth). Our cover story reveals how medical professionals and criminal investigators can use a combination of paging and palmtop technology to receive graphic and textual images anywhere. Closer to home, our own network administrator, Tom Gibson, explains that we received our Silicom PC LAN Card for the Palmtop just in time to test nodes in our newly expanded Local Area Network. Finally, Mark Scardina takes a look at a recently released Palmtop-to-Windows file transfer product from Palm Connect.

In this issue we profile a CPA. As you might expect author, Ray Kump, gives us lots of interesting uses of 1-2-3 and HP Calc. As a bonus, he describes how he uses the HP Palmtop Database program to organize his day and his people. Managing Editor, Reverend Richard Hall, adds a second mini-profile as he explains how he used NoteTaker to aid him in recently becoming a priest in the Liberal Catholic Church.

In my User To User column I look at the HP 1000LX and a solitaire game. Then I (and other readers) give Hewlett Packard some unsolicited advice about how they should advertise the HP Palmtop. I go to the extreme on page 26 of working with the designer of our HP Palmtop Paper covers, George Foster, to come up with a sample ad for the HP Palmtop. See what you think.

Our Quick Tips, Basic Tips, Palmtop Wisdom and Letters are especially meaty, and as usual provide bite-sized ideas of how to better use the Palmtop.

*Hal Goldstein*

## The HP Palmtop Paper

INCREASING YOUR  
PERSONAL POWER  
BY EXPANDING YOUR  
PALMTOP'S POTENTIAL

Volume four / Number three

May/June 1995

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The HP Palmtop Paper (ISSN 10656189) is published by Thaddeus Computing Inc., at 57 East Broadway Avenue, Fairfield, IA 52556. Second-class 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 March and one in October. 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 1995, 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

The editors of *The HP Palmtop Paper* welcome you to *Palmtop Wisdom*. *Palmtop Wisdom* takes current thinking about leadership, human relations, time management, finance, self-development, travel, and entertainment and shows the concrete application of these concepts using HP's 100/200LX Palmtop PCs.

We welcome your feedback, ideas, and contributions.

## STAYING ORGANIZED

### Keeping Meetings Focused and on Time

Meetings enhance communication and coordination, both critical elements to the success of a business. However, meetings must be focused and time-conscious, or they can cause more problems than they solve, and waste productive time.

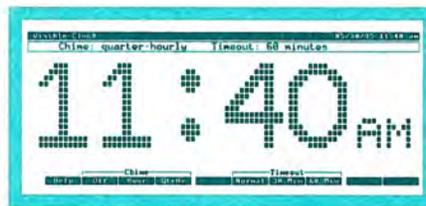
#### ON THE PALMTOP

One of the boons of the HP Palmtop Appointment Book program is the F3 Notes function. For example, as ideas come to me about our next weekly company-wide meeting, I simply go to the next repeating appointment set for Wednesday 9:30 am. I press [F3] (Notes) — you don't need to open the appointment first — and jot down topics as I think of them. Similarly, before my weekly operations meeting, I press [F3] on that appointment and spend a few minutes entering and refining an agenda. When the meeting starts, I read out my agenda items and ask what other points need to be discussed. I quickly add the other items to the list and number them by priority before beginning.

In addition to controlling the content, I also use the Palmtop to control the meeting's time. First of all, I enter an appointment for the time the meeting is scheduled to end. That way the

alarm ring gives us a five minute warning (or however many minutes I choose). On longer meetings that I want to finish on time, I might set two or three appointments warning of the meetings end, so that alarms go off ten, five, and even two minutes before the end.

I recently discovered a simple but quite useful freeware program called VISCLOCK.EXM, by Eugene Dorr, to keep meetings on schedule, or at the least keep us all aware of the time. The program displays a large digital clock that stays on and beeps every 15 minutes.



VISCLOCK screen displaying time

You activate the program with a hot key (see the next Wisdom article "Action Is Based on Rest" for a description of this same procedure). I set it up to be activated by [ALT]-[APPT], since APPT has a clock on it. If you look at the screen above, you'll notice at the top, the words **Chime: quarter hourly**, and **Timeout: 60 minutes**. This means that on the quarter hour the Palmtop will emit a small beep, and the screen will stay on (will not time

out) for 60 minutes. You also have a choice of five different sounds. I selected a short rising sound for the quarter hour beep and a chime for the on-the-hour reminder.

In meetings I place my Palmtop so I can see the digital clock. The clock stays on and every 15 minutes beeps to keep me, and the rest of the staff, conscious of the time. I also use the program when I teach our weekly Palmtop classes, and at my desk when I'm working under a tight deadline.

Hal Goldstein

Publisher, *The HP Palmtop Paper*

## SELF DEVELOPMENT

### Use your Palmtop to end bad habits and begin good ones — now!

Anthony Robbins, in his book "Awaken the Giant Within", proposes that the old notion that change takes a long time, even for seasoned habits, is wrong. His idea: You can change anything in a second, no matter how long it's been a problem, no matter how many times you've tried and failed in the past. All you have to do is associate enough pain with doing the old habit, and enough pleasure with doing the new one you are changing to . . . and poof! The change is made. It's a simple idea, and it works!

Your "pain" should be whatever works for you — doing something you don't like to do, doing something embarrassing, volunteering time to the needy, etc.

My "pain" option of choice is money. Let's say you want to change your habit of watching television on week nights. Your "pain" could be to donate \$20 to a needy family each time you catch yourself doing this. One or two times at \$20 and you stop. If \$20 isn't enough to stop you, just raise the price till you do. It's that simple.

Here, according to Robbins, is all

you need to accomplish instant change:

- A clear idea of the old habit you want to change.
- A clear idea of what you want in its place.
- A big enough dis-incentive (pain) attached to doing your old bad habit.
- A big enough incentive (pleasure) attached to doing your new “good habit.” (This can be simply the good feeling of not doing the old habit.)
- A support group of people who will hold you to your commitment, no matter how much you plead for mercy.

The reason that such attempts at change failed me in the past was because after I wrote them down as instructed, I never looked at them again. Even when I posted them on the mirror in the bathroom — another suggestion of most of the books I’ve read — I stopped noticing them after the second time I passed them.

#### ON THE PALMTOP

Here’s where the Palmtop changes all that. In APPT, set a repeating event — (press **[Menu]** **A** **D** **E** **V** **E** **N** **T**, fill in the Description field, then **[F8]** (Repeat) **D** **A** **I** **L** **Y** **[ENTER]** (OK) **[F10]** (Done)) — to remind yourself every morning of the old habits you won’t be doing today. When I start my day, I read and delete 14 of these “reminders.” (Only three Events show up at a time — If you have more than three Events, they will be hidden behind the Appointment list.) Not all of them cost me money if I mess up, some are just friendly reminders of ways I want to be each day.

With the Palmtop reminding me every morning of the consequences associated with each item, it’s a snap to keep my resolve! (I lose about \$10 a month at this, but it’s worth it. I save much more money by not doing the old habits. If I innocently forget I don’t penalize myself.)

Here’s a list of my morning event pop-ups (the ones that aren’t too personal). These include habits I’m changing as well as reminders of how I want to look at life.

- Life is a party!

- No teaching except when asked! (To prevent me from teaching all the time and not doing.) \$10.
- Take a walk and go to bed by 10:00 pm. \$10.
- Write (current novel) nine hrs/wk. \$250.
- Ask for what you want!
- 1 fun thing/wk. \$20.
- Have fun!!!!
- If you’re tired go to bed early!
- No unnecessary talking about personal finances. \$10



Appointments screen showing Events above Appointments Only format

You can use the UpArrow and DownArrow keys to scroll the Events or you can delete them.

The results from using the Robbins’ book with my Palmtop have been nothing short of amazing.

*Paul Merrill*

*Associate Editor, The HP Palmtop Paper*

#### Use World Time as a Geography Game

You can use World Time as a game to teach yourself some simple world geography. Following are three different ways.

#### ON THE PALMTOP

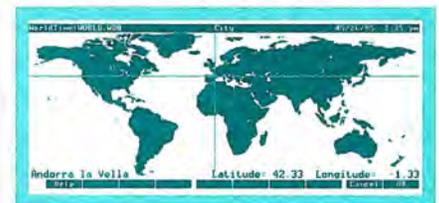
Start World Time (press **[&...]** **W** **O** **R** **L** **D** **T** **I** **M** **E**).

1. **Guess the country** — From the All Cities list, block off the Country column, then guess the corresponding country for each city. To block off the Country column, press **[MENU]** **V** **I** **E** **W** **A** **R** **R** **A** **N** **G** **E** **C** **O** **L** **U** **M** **N** **S**, tab to the Country column, press **[F3]** (Delete) **[F10]** (Done). When you are done, restore the Country column by pressing **[MENU]** **V** **I** **E** **W** **A** **R** **R** **A** **N** **G** **E** **C** **O** **L** **U** **M** **N** **S**, tab to where

you want to insert the Country column, press **[F2]** (Add), highlight the word Country in the Define Column screen, press **[ENTER]** (OK) **[F10]** (Done).

2. **Guess the capitol, currency, language, etc.** — For the country you want to learn about, e.g. Mexico, write in the Notes field of the capitol city: “National capitol”; the official language; the currency; or any other information you want to learn. Next, set up a Subset to include all cities in Mexico — press **[F6]** (Subset) **[F2]** (Define), tab to the Country field and enter **Mexico**, press **[F10]** (OK), name the Subset (Mexico) and press **[ENTER]** (OK). From the View Subset screen, highlight Mexico and press **[ENTER]** to get a list of all cities in Mexico. Whenever you want to test yourself on Mexico, open the Mexico Subset and guess which of the cities listed is the capitol (Mexico City), then before you bring up the City screen (by pressing **[ENTER]**, guess the language (Spanish) and the currency (Peso), or any other information you have entered in the Notes field. **Note:** If you only have the Note field entered for one city, it is easy to spot it from the list because of the “+” flag in front of the city name. If you enter information for each city it becomes harder — and teaches you more about the country.

3. **Guess the location** — If you aren’t sure what part of the world your city resides in, highlight the city name in the All Cities list and press **[ENTER]** once or twice as needed to get to the City screen.



World Time cross-hairs showing location of Andorra la Vella, Andorra

Then press **[F8]** (Locate). You get the city’s location in cross-hairs on the world map, as shown below for Andorra la Vella, Andorra.

*Paul Merrill*

*Associate Editor The HP Palmtop Paper*

### Palmtop Interferes With Airliner?

Regarding the Palmtop interfering with airline electrical systems — personally, I think the whole thing is paranoia. No device in an aircraft, which is critical for safety, should be so sensitive to outside electromagnetic interference (EMI) that a flight would be in danger due to a passenger turning on a laptop computer or a Palmtop.

Sure, there might be a rare case where a passenger's electronic device affected one aircraft system. However, all critical systems on board have backups. If a problem is noted, then all portable devices should be turned off until the plane lands, then the airplane should be grounded until the failure of the aircraft is found. That's right, any aircraft that can be disturbed by a passenger's portable electronic device is broken. What would an electrical storm do to that same airplane? Or flying into LA International where there are lots of 50KW radio transmitters, cellular phones on the freeway below the landing pattern, and thousands of other sources of EMI on the ground?

The bottom line is that this whole issue is really one of too many lawyers. The airlines (and the FAA) are worried that they could get sued if a plane were to crash after they allowed some passenger to use a laptop in flight. Then someone would claim that this caused the problem. In our courts today, (where a lady can get \$2M for spilling coffee in her own lap because the coffee was sold to her hot!) the sad truth is if you have money (such as an airline, or Boeing) then you will pay for accidents, regardless of the fact that it may not be due to gross negligence or intent.

Until people are willing

to recognize the concept of "acceptable risk" we are going to continue to see more restrictions placed on our lives: No hot coffee since you might spill it, no more use of electronics on airplanes since we don't know that they won't cause a problem, no more skiing since you might hurt yourself, no more anything with risk, no more living, only existing...

David Shier

CompuServe ID: [74777,2477]

### Palmtop at a Singles Bar

My friends at work (I'm sure you are familiar with this part) all poke fun at my attachment to my 200LX, which goes everywhere with me. The thought of being seen in a singles pub with one seems worse than being caught with a pen protector in my shirt pocket.

When I'm not doing anything (like waiting for my friend Patricia at the pub

of the River Club in Nyack, NY) I often write in my journal for a few minutes. Sunday I was doing this, and an attractive woman (Sonya) came over to see what could possibly be more interesting than the crowd around us. She thought I was balancing my checkbook (not impressive) but when she found I was writing in my journal it seemed much more interesting. I sort of regretted that I was meeting Patricia, but I declined the advance.

This has not been a unique experience either. Sometime I'll tell you about taking it country dancing... (No, I don't hang out in singles establishments. Like I told you I was meeting my friend Pat.)

Ernest Lilley

CompuServe ID: [72600,2521]

### Why the Price Difference?

Could you explain the huge price difference between the

hard copy of *The HP Palmtop Paper* and the *HP Palmtop Paper On Disk*?

Jini Scammell-Tinling  
CompuServe ID: [73240,1310]

[The time, energy, and resources that go into producing *The HP Palmtop Paper* for a limited market make the paper version of the issues underpriced. Since we began publishing, our costs have increased by 40%. (Last year we added two new issues to the subscription — the PC Card Review and Best Tips — without raising prices. This year's postal rate increase and skyrocketing paper costs have added another 20% to our cost.)

Also, because people are used to PC Magazine or Time with 200 times our circulation, and paid for by advertising, they still perceive *The HP Palmtop Paper* itself (8 issues and a disk per year) at \$39 as expensive. PC Magazine contains roughly 65% ads, where our goal is to make that ratio

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about two-thirds editorial content to one-third ad space. Advertising has been good to us but doesn't come close to supporting the publication.

The HP Palmtop Paper On Disk is a full text version of the Paper; detailed advertiser information; and all the shareware/freeware mentioned in the Paper for those who don't have the time or easy access to CompuServe, AOL, or Internet.

We think The HP Palmtop Paper On Disk is an excellent value for our subscribers. Especially at the two year rate. \$199 for 14 disk sets translates to \$14.20 a disk set, including U.S. postage. Almost all our disk sets are at least one 1.44MB floppy (equal to four 360K floppies). Two to three times a year the disk sets have been two 1.44MB floppies. That's a lot of Palmtop Paper information, templates, free-ware / shareware, and advertiser information.

Thanks for the question. I hope that helped — Hal.]

### PCMCIA Cards More Susceptible to Back Pocket Stress than the Palmtop

In the July/August issue of *The HP Palmtop Paper*, Mark Scardina warned about possible long term effects of Back Pocket Stress (carrying your Palmtop in your back pocket). I had the following direct experience of Back Pocket Stress.

While leaving a bar in New York during the excitement of the Canuks win over the Rangers in the 1994 Stanley Cup, I managed to slip on the sidewalk and landed on my right side. Weighing a svelte 254 pounds, the impact of my fall was quite considerable. Fortunately I was cushioned by my HP 100LX which I was carrying in my back pants pocket. I know I landed on it because the outline of the HP could be seen in the large multi-colored bruise, and the 'L' shaped

tear in my pants matches exactly the corner dimensions of the 100LX. The Alt key now clicks a bit when pressed, but the HP 100LX still works just fine, and I still carry it in my back pocket all the time!

A week or so later, I was trying to create a new sub-directory on my 5MB Flashcard when I got a "Device I/O" error message. After some poking about, I eventually looked at the Flashcard. It is concave on the under side, and has several visible wrinkles in the top metal cover. Most of the card seems ok, but I can't access several files. CHK-DSK runs ok, but when I try to do a surface scan it locks up immediately.

I've since replaced the 5MB card as I need reliable access to my files but I'm wondering if there is any way to repair damaged PCMCIA cards. Do I flatten it with a rolling pin to get

the memory chips lined up again, or is there a more subtle way to disable the parts of the card that don't work?

Tony Paxton

CompuServe ID: [71601,1150]

[The rolling pin sounds like an interesting experiment, but if you want to get some use out of the card it would probably be more fruitful to send the card back to the manufacturer for repairs. - Robert]

### cc:Mail Learns

I would like to applaud the company "palmtop.com" for finding some use for that old ROM-sucker cc:Mail that lives on our 100/200LX's.

What palmtop.com has done is actually quite simple: They've set up a cc:Mail server (or whatever it's called) that functions as a gateway to the Internet.

(Continued on page 40.)



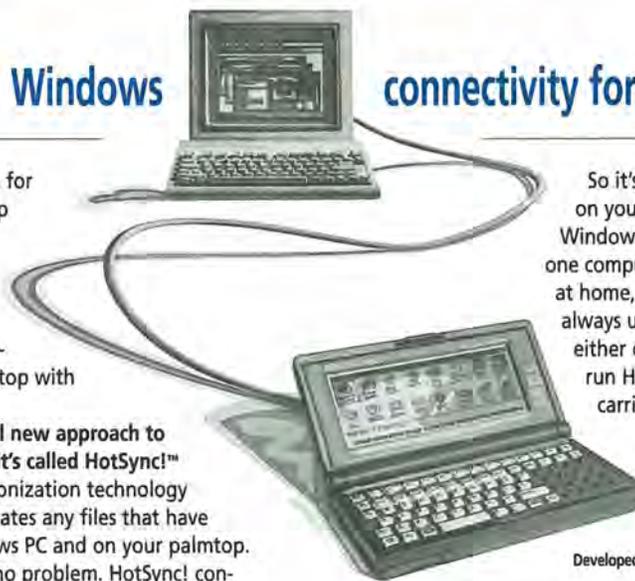
Get great Windows

connectivity for only \$49.

You've waited long enough for Windows connectivity — trade up to PalmConnect for only \$49\*. But Windows isn't all you'll get. PalmConnect gives you the simplest, most automatic and painless solution for synchronizing the data on your HP palmtop with your Windows PC.

PalmConnect takes a radical new approach to back up and synchronization — it's called HotSync!™ This one-step backup and synchronization technology keeps track of your files and updates any files that have changed — both on your Windows PC and on your palmtop. And if both files have changed, no problem. HotSync! conducts a record-level synchronization for your Note Taker, Phone Book, and Appointment Book entries automatically.

What's more, PalmConnect ensures that your other palmtop files, including Quicken, Lotus 1-2-3, and database files, are always up-to-date both on your palmtop and your desktop. Once connected to your Windows PC, your palmtop works just like a disk drive within the Windows File Manager.



So it's as easy to organize your files on your palmtop as it is on your Windows PC. And even if you work on one computer in the office and another at home, with PalmConnect you're always up-to-date. When you're at either computer, plug in the cable, run HotSync! and your palmtop carries all your most current data.

**PalmConnect — the painless way to back up and synchronize your data.**

Developed in cooperation with HEWLETT PACKARD

\*Special \$49 trade-up offer for owners of an HP 100/200 Connectivity Pack for DOS only. (Proof of ownership required.)

Or, get the complete PalmConnect package (cable included) for only \$129.

To order, call 1-800-881-7256.



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VA195

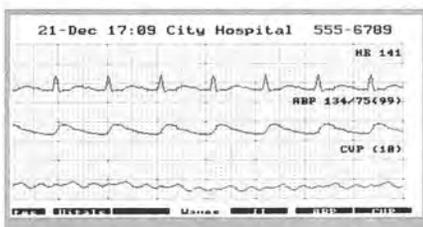
# HP PalmVue System

*HP makes critical patient data available to the U.S. physician, anywhere, anytime!*

By Rich Hall

The scene is a hospital Intensive Care Unit. A cardiac patient takes a turn for the worse, but the resident cardiologist is stuck in traffic five miles away. The ICU nurse captures the "waveform" displays of the patient's physiological data from the PalmVue System Dispatch Station and sends the data through the station's built-in modem to a paging service provider.

In his car the resident cardiologist hears a beep coming from his pocket, indicating that he has just received an incoming message. He pulls out an HP Palmtop equipped with a wireless receiver and PalmVue software, and turns it on to view the ECG waveform, other vital signs and messages from the ICU staff. He picks up his cellular phone, calls the ICU and gives the attending physician vital instructions.



HP Medical Palmtop display showing a waveform display of a patient's physiological data

The above scenario dramatizes the value of HP's new PalmVue System, an advanced clinical communications system designed to provide health care professionals in the U.S. with remote access to critical patient data.

## Inside the HP PalmVue System

The complete HP PalmVue System is designed to work with the HP CareNet Monitoring Network. HP CareNet, installed in many hospitals and other health care facilities, shares patient data among monitors placed at different bedsides. The PalmVue System is comprised of a Dispatch Station located at the nurses station and connected to the HP CareNet. The HP PalmVue Dispatch Station acquires and transmits patient data via a paging service to one or more HP M1496A Medical Palmtops specially equipped to receive and display patient data. A more complete description of the elements in the



HP Medical Palmtop with wireless receiver. Part of the HP PalmVue System

HP PalmVue System is in the sidebar on page 8.

## How does PalmVue work?

The HP PalmVue System is designed to be used in a facility that has HP monitors networked together via HP CareNet. So, for example, an ICU in a hospital might have 15 beds, each with an



HP M1496A Medical Palmtop with PCMCIA wireless receiver. PalmVue software running on Palmtop allows the display of physiological patient information.

HP patient monitor. If these monitors are on a CareNet network, a physician or nurse can access critical data about any patient in the



HP OmniCare 24, one of HP's many medical bedside monitors

network from any of the monitors. The PalmVue Dispatch Station is connected to this network. Here's a typical scenario:

1. The clinician starts the Dispatch Station, views a list of patients on the monitoring system and selects the desired patient.
2. The Dispatch Station displays the first three of all active "waveforms." [A waveform is a graphical display of a patient's physiological data, e.g., blood pressure, respiration, EKG, etc.]
3. The clinician selects, views and captures a 5-second snapshot of any three waveforms, and creates a message to send to the remote user. (The user may also select a single 15-second snapshot of one waveform.)
4. The clinician views each screen to confirm that its data is complete and ready for transmission. From a list the user selects the physician to

receive the data and starts the paging transmission. The user may also retrieve stored messages and send them.

5. The message is automatically sent to the paging service, which transmits it. The Dispatch Station indicates when the transmission is received.
6. The HP Medical Palmtop in the pocket of the physician beeps to indicate the arrival of the message. PalmVue software on the Palmtop has an error detection feature that detects incomplete or corrupted transmissions and avoids the display of invalid data.
7. The PalmVue software on the Medical Palmtop automatically starts and displays the patient name, date, time, hospital name, care unit, individual to contact, and phone number. From that screen he can view the waveform display, text note, or vital sign data.

8. The physician contacts the sender to discuss the patient's condition and confirm that he received the transmission.

### Non-medical uses of PalmVue technology

Hewlett-Packard Company and Data Critical Corporation of Oklahoma City (see page 10) cooperated in the development of PalmVue, integrating three items:

1. The lightweight reliability of the HP 200LX Palmtop.
2. Software developed by Data Critical to allow text and graphical data to be sent to portable computers.
3. Existing paging networks and wireless receivers.

PalmVue was thoroughly tested at a number of different locations for functionality and accuracy in the paging fulfillment process.

The HP PalmVue System is specific to health care facilities with HP Monitors linked via HP CareNet. However, the technology developed can be applied to any field that needs text, data or graphics sent quickly to mobile locations. For example, a few of the potential uses are as follows:

- Transmit price changes, inventory and scheduling information, and product descriptions to remote sales and service forces.
- Update real estate personnel with new listings and pictures.
- Transmit delivery orders and location maps to delivery and service vehicles.
- Transmit mug shots and All Points Bulletins to mobile law enforcement officers.
- Send design and construction information and schematics to construction sites.

### Further information

The complete HP PalmVue System is available for under \$25,000, and includes 1 Dispatch Station, 5 HP 200LX Medical Palmtops, the necessary PalmVue software, modem and interface card to connect the Dispatch Station to the HP CareNet network. The health care facility must be using HP medical monitors linked via the HP CareNet network. In addition, Data Critical Corporation will assist the health care facility in assessing paging reception and selecting the best paging service for their needs.

The HP PalmVue System is only available in the U.S. at this time. For more information, contact your HP medical sales representative or call 800-HP4-PALM.

**Product Index: page 47**

**WARNING: Your subscription may be about**

# RENEW OR SUBSCRIBE TO THE HP PALMTOP

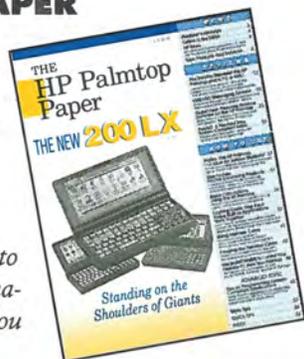
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*"Terrific..."* – Mark Gitlitz

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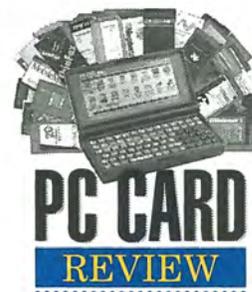


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### I/O Cards

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- Lan Combo T/2 Card ..... \$140
- Fax/Modem for LX ..... \$149

### IC Card Drives

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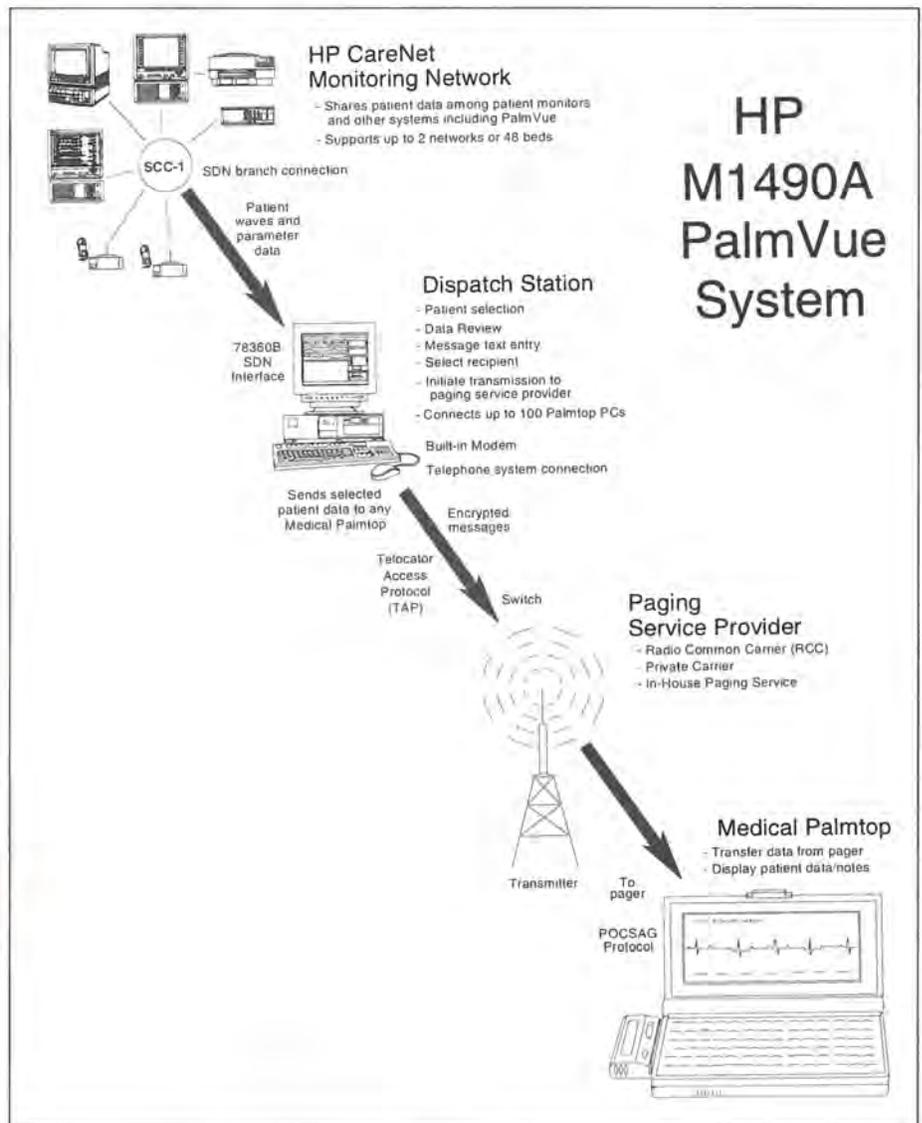
953 E. Juanita Ave., Suite A  
Mesa, Arizona 85204  
Tel: (602) 892-0954 • Fax: (602) 892-0029

**1-800-368-6971**

## A summary of the HP PalmVue System

**Dispatch Station (HP M1491A)** — An HP Vectra VL2 4/50 PC with PalmVue software and an internal modem for transmissions to a paging service. The Dispatch Station serves as the key interface between the CareNet network, where patient data is collected, and a paging service, which transmits critical data to an HP Medical Palmtop.

**PalmVue Transmission Software** — Special data transmission software that allows clinical information to be encrypted, compressed and sent from the Dispatch Station to the paging service. PalmVue Software on the HP Medical Palmtop allows the transmission received from the paging service to be decrypted and displayed on the Palmtop.



**HP M78360B SDN Interface Card** — Interface card used to connect the Dispatch Station to the CareNet network.

**HP M1496A HP Medical Palmtop** — An HP 200LX Palmtop PC with PalmVue software installed, allowing it to display patient data. Provides storage of up to 50 messages. An error detection feature prevents the display of incomplete or distorted messages. The Medical Palmtop comes with a 5MB Flash memory card that contains a backup copy of the PalmVue software and sample public-domain medical text files containing notes on different subjects in clinical medicine.

**Paging service/wireless receiver** — The kind of wireless transmission system used with the PalmVue system depends on the needs of the hospital. An in-house only system might be desired, with a short range transmitter located in the hospital. PalmVue is designed to use commercial, regional paging services which support Telocator Access Protocol (TAP).

The HP Medical Palmtop must have a wireless receiver to receive PalmVue transmissions. The appropriate wireless device is available from DataCritical Corporation.

# Imaging Technology Used in HP Palmtop Helps Out in Oklahoma City Tragedy

By Rich Hall

The tragic bombing of the Federal Building in Oklahoma City on April 19 made us all more aware of the fact that individual pain and suffering are the inevitable offsprings of hatred and violence. But the Oklahoma City tragedy also showed a better side of mankind.

Volunteers worked tirelessly, around the clock, rescuing survivors and recovering the bodies of those less fortunate. Expressions of sympathy and donations poured in from all over the United States and around the world. Businesses donated material and resources to the victims families, to the rescue efforts, and to law enforcement agencies.

Data Critical Corporation, an Oklahoma City based small business, teamed up with Hewlett-Packard and PageNet to help a number of law enforcement agencies involved in the investigation of the bombing. Data Critical Corporation and HP developed the technology used in the HP PalmVue System described in this issue.

Although the HP PalmVue System applies to health care, the basic technology can be applied to the transmission of any critical data or graphics. So, for example, word processing documents, spreadsheets, and other data files can be encrypted, compressed and sent via existing alphanumeric paging networks or private paging transmitters. In addition, the technology can be used to send graphical

images to remote locations via paging networks. HP's PalmVue System uses this capability to send medical waveforms. The same technology can be used by law enforcement agencies to send mug shots, pictures of missing persons, diagrams, and other graphical images to agents in the field, transmissions are encrypted for security.

## Wednesday morning

The disaster was close to home for Data Critical Corporation (DDC), headquartered in Oklahoma City. Data Critical Corporation had already been testing their technology with several law enforcement agencies, the Department of Defense, and in commercial applications including the HP PalmVue System.



HP 200LX Palmtop equipped with Data Critical software and wireless paging receiver (not shown), allowed remote law enforcement agents to receive and display artist renditions of the bombing suspects.

After discussions with law enforcement agencies the day of the tragedy, it was decided that the best way DCC could help was to provide their technology to law enforcement agencies working on the case. Data Critical Corporation coordinated efforts between HP and PageNet to assist in the disaster. They donated the wireless data system software technology needed for encrypting and transmitting sensitive data including the artists renditions of bombing suspects ("John Doe 1 & 2" seen in the picture on the previous page). Data Critical also donated the wireless paging receivers used in the project. Hewlett-Packard company donated 100 two-megabyte HP 200LXs. Page-Net, Inc., a major provider of paging services in the U.S. donated air time as well as 120 specialized addressee paging codes.

The combination of DCC's technology, HP's Palmtop, and Page Net's services gave the law enforcement agency involved the ability to have their own secure communications data network. In addition, an All Points Bulletin network for all agencies was configured, permitting interagency communication when needed.

### System operational by Friday

All elements of the system arrived in Oklahoma City by Thursday midnight and DCC personnel immediately went to work assembling and testing individual systems. By Friday afternoon DCC was installing the first system for a federal law enforcement agency. By Saturday more systems were being used by law enforcement agencies, allowing field agents to receive encrypted updates and images of the suspects.

All those involved wish to honor the memory of those who lost their lives in this unthinkable tragedy. Our sympathy goes to those injured in the disaster and the families and friends of the victims.

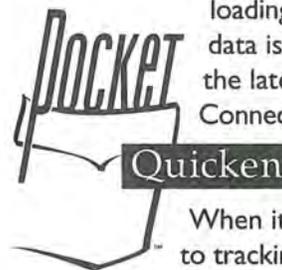
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System Requirements: HP 100LX Palmtop PC with 450K free storage on a 2MB HP 100LX or PCMCIA card. (PCMCIA card required for 1MB HP100LX). For installation: Desktop PC with HP Connectivity Pack F1021A or B (or any other method of transferring files from a desktop computer to the HP 100LX). For connectivity to Quicken from Pocket Quicken: Desktop PC with HP Connectivity Pack F1021B (includes Quicken connectivity), Quicken for DOS 3.0 or higher or Quicken for Windows 1.0 or higher.  
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**Look for Pocket Quicken built-in on the new HP 200LX!**

# HP Palmtop contributes to safety of rescue workers

By Richard Hall

One of the main concerns in the aftermath of the Oklahoma City bombing was the safety of survivors remaining in the wreckage, as well as the safety of fire fighters, rescue workers, and law enforcement personnel in the building. The Federal Building was badly damaged and continued to shift. There was a very real concern that additional portions of the building might collapse.

To insure the safety of those

involved, emergency response structural engineering teams arrived early in the disaster and continually assessed the stability of the building.

One of the ways structural engineers assessed the danger of collapse was by using a device called a digital inclinometer. These electronic levels were strapped to support columns, walls, etc., in the building and indicated in fractions of degrees the angle at which these parts of the building were leaning. Changes in the angles were monitored closely and rescue crews were warned as necessary.

Support columns in buildings are designed to bear weight coming straight down on them. If because of the sinking of the foundation, or the effects of some natural or man-made disaster they are caused to lean, their ability to support weight dramatically decreases. The angle at which the support columns in the Federal Building were leaning was a measure of how much of the remaining weight they could bear, which areas of the building were particularly dangerous, and an indicator of when parts of the structure needed to be shored up.

## HP Palmtop helps modify SmartLevel

The particular brand of digital inclinometer used, the SmartLevel, is manufactured by an Oklahoma City company named Macklanburg-Duncan. The SmartLevel has a power-down feature similar to the one on the HP Palmtop. To conserve batteries, the SmartLevel shuts down its LCD display if its function buttons are not pressed for 5 minutes.

Unfortunately, this otherwise

useful feature was creating problems for the structural engineers. They didn't want to have to leave someone in the building to press the SmartLevel "on" button every five minutes. They contacted Macklanburg-Duncan with their problem, and got a quick solution.

Steve Rhodes, a Tool and Design Engineer for the company, and subscriber to *The HP Palmtop Paper*, described what happened as follows:

"The emergency response structural engineers contacted us for help. We already had a program written for the manufacturing process that was able to modify the SmartLevel's EEPROM chip. It let us reprogram the SmartLevel so its LCD would display continuously.

We responded within 45 minutes of their call. I used a specially modified HP Connectivity Cable to connect an HP 200LX to the SmartLevel. I then ran our proprietary software on the 200LX, letting us reprogram the EEPROM chips. Some units were modified at our plant just two miles from the blast site. Others were modified at the logistics center near the blast sight."

The use of the HP Palmtop and modified connectivity cable allowed the engineers of Macklanburg-Duncan to modify the SmartLevel units so they would operate continuously, ensuring the safety of the crews.

*[Editor's Note: SmartLevel is not designed specifically to work with the HP Palmtop. However, the SmartLevel Pro 3600 comes with a serial port that allows it to interface with a desktop PC with a serial port. The software mentioned in this article is for in-house manufacturing purposes and not available to the public.]*



SmartLevel digital inclinometer attached to rail functions as an "electronic level" to give angles in degrees, percent slope, pitch in inches or feet, or display a simulated bubble.

Product Index: page 47

# Third Party Products of Interest to HP Palmtop Users

This section lists products new since the last issue and includes hardware, software, books, videos, training, and services of interest to HP Palmtop users. The icons above the product name indicate which Palmtop the product is suitable for: **95LX** for the 95LX, **100/200LX** for the 100/200LX (in some cases, the product may be suitable for the 100LX or the 200LX, but not both). Prices listed are suggested retail.

We invite vendors and subscribers to send us information about HP Palmtop-related products they discover. We rely on information we receive from the manufacturer and cannot test every piece of hardware or software. We welcome any user feedback on product suitability.

By Paul Merrill

## Hardware

### Carrying Cases

**95LX** **100/200LX**

#### Leather Cases for Palmtops

This XLC200 Case for Palmtops from Global Connections is made exclusively of cowhide leather. Has pocket for PCMCIA or business cards and belt loop. Dimensions: 1 1/8" x 3 1/2" x 6 1/4."

Availability ..... Now  
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CONTACT: *Global Connections, 170 S. Jackson St., Janesville, WI, 53545, USA; Phone: 608-752-1537; Fax: 608-752-9548.*

### Power Adapters

**100/200LX**

#### 12 Volt Car Adapter

Plug this adapter into the cigarette lighter of your car

to run and/or charge your Palmtop, Omnibook, or Portable DeskJet Printer. Lind 12 volt Power Adapter has "Power On" light and aluminum, black casing.

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CONTACT: *Global Connections, 170 S. Jackson St., Janesville, WI, 53545, USA; Phone: 608-752-1537; Fax: 608-752-9548.*

## Software

### Financial

**100/200LX**

#### Loan Amortization Software

TimeValue Software, Inc. announces TValue 4, a professional loan amortization program used to structure loans, determine payment amounts, compute present values, solve for implicit

## HP Palmtop Users Groups

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

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

**AUSTRIA** — 95LX/100/200LX users in Austria should contact: *Ulli Hoasch, A-1111 Vienna, P.O. Box 50, HP-Club Austria; Fax: +43/1/5443224.*

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

**Boston, MA (USA)** — 95LX/100/200LX users in the Boston area should 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 should contact: *Marcos L. Pedroza, Rua Traini 647 Ap 104-B, 59020-150 Natal, RN-Brazil; Phone: 55 84 211-6162.*

**Denver, CO (USA)** — 95LX/100/200LX users in the Denver area should contact: *Bill Hoeltgen, 5944 S. Kipling, Suite 300, Littleton, CO 80127; Phone: 303-933-0023; Fax: 303-933-9171 24hrs.; Group meets quarterly.*

**Detroit, MI (USA)** — 95LX/100/200LX users in the Detroit area should contact: *Jeff Zorn, 26311 Ardenel, Farmington Hills, MI 48334-2815; Phone: 313-489-1855 (EST) or Louis Peoples, St. Clair Shores MI 48080; Phone: 313-777-9390.*

**GERMANY** — HP Palmtop/Omnibook users in Germany should contact: *Eckart Prinz, Obere Muhlstr. 56a, 64291 Darmstadt, GERMANY; Phone/Fax: +49 6151 376065.*

**GERMANY / LUXEMBOURG** — Not an official user group but this individual is willing to help HP Palmtop users with questions or technical problems; contact: *Gilles Kohl, Hagfelder Allee 16, D-76131 Karlsruhe, GERMANY; CompuServe ID: [100114,3146]; Internet ID: gilles@spam.tido.de; Phone: +49-721-69-36-55 (after 6 p.m. Central European time).*

**GREECE** — HP Palmtop users in Greece should 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..*

**HOLLAND/BELGIUM** — HP 95LX/100/200LX users in the low countries should contact: *PROMPT HP-GC, Mister G. Dongs, Postbus 1081, 1500 AB Zaandam, HOLLAND; Phone: +31 75704205.*

**INDONESIA** — HP Handheld users (HP 75C, 110, 48, 12, 100/200LX) in Indonesia should contact: *Dirk H. Eversbernt, c/o P.T. Austindo Mitralama, Mr. Eirman Sunario, Jl. Gunung Sahari 2/6E, Jakarta 10610, INDONESIA.*

**ITALY** — 95/100/200LX users in Italy should contact: *Stefano Gigli, Via E. Toti, 13-60123 Ancona, Italy; Phone: 071-36845 or 071-200916; Fax: 071-200916; Internet ID: S.Gigli@agora.stm.it; Fido-Net ID: 2:332/316.4.*

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

**Los Angeles, CA (USA)** — 95LX/100/200LX users in the LA area should contact: *Dave Shier at 805-371-9391; Fax: 805-371-9391; CIS: [75030,3374] for more information.*

**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: [71031,2162]; 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, USA; Residential Phone: 405-942-1267.*

**Richmond, VA (USA)** — For 95LX/100/200LX users in the Central Virginia area. Contact: *John Haskell, 7102 Three Chopt Road, Richmond, VA 23226-3615. CIS ID: [70750,1243] or Phone: 804-288-6073 (work).*

**San Diego, CA (USA)** — For 100/200LX users in the San Diego area. Contact: *Mark Gillitz, Internet: gillitz@hdsd.hitachi.com; Work phone: 619-537-3000; Fax: 619-695-9501.*

**San Francisco, CA (USA)** — S.P.A.M (Society for Palmtop Advancement through Meetings). For HP Palmtop users in the Bay Area, Northern California. Contact: *Dennis Dodd, CompuServe ID: [73301,3214]; Phone: 415-592-3970.*

**Seattle, WA (USA)** — For HP Palmtop and Handheld users in the Puget Sound area. Contact: *Kent Peterson, 360 N.W. Dogwood, A-201, Issaquah, WA 98027. CIS ID: [72310,2174]; Internet: peter\_son@halcyon.com; Phone: 206-392-3123.*

**SRI LANKA** — HP Palmtop users in Sri Lanka should contact: *Francois Smith, Colombo Rd. 714/1, Seeduwala, Sri Lanka; Phone/Fax: 94.1.453447.*

**SOUTH AFRICA** — HP Palmtop/Omnibook users in South Africa should contact: *James Dean, CIS ID: [70714,613]; Internet address: james@charon.hipsys.co.za; Phone: (011) 806-1382 (O/H); Fax: (011) 806-1353.*

**SWEDEN** — HP Palmtop users in Sweden should contact: *Kent Illemann, Eriksbergsgatan 12A, 114 30 Stockholm, Sweden; Phone: (INT) 8 611 48 85; Mobile Phone: 070-715 55 66; CompuServe ID: [100315,2451]; Internet address: aki@nymas.se Or... Kenneth Matz, Sturvegagen 8 B, 133 38 Salsjabaden, Sweden; Phone: (INT) 8 717 79 91; Internet address: kema@get.pp.se*

**TURKEY** — HP Palmtop users in Turkey should 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.*

**UKRAINE** — For HP Palmtop users in the Ukraine, Odessa, Kiev, Crimea regions. Contact: *Linel'sky V. Oleg, I. Varvarovskiy Spusk, Nikolaev, 327015, UKRAINE; Phone: (051) 36-73-51 36-73-13; Fax: (051) 24-41-25.*

# NEW THIRD PARTY PRODUCTS

rates of return, and more. Accounts for changes in interest rates for adjustable rate mortgages. TValue 4 for DOS runs on the 2MB 100/200LX, but requires almost 1MB for installation and 450K to run. TValue 3 installs and runs on about 600K, and offers some speed advantages over version 4.

You get \$50 off the price listed below if you mention *The HP Palmtop Paper*. TValue 4 is also available in Windows, and Macintosh.

Availability ..... Now  
 Medium ..... Floppy disks  
 Pricing:  
 Version 4 ..... \$149  
 Version 3 ..... \$99  
 CONTACT: *TimeValue Software, 4 Jenner Street, Suite 100, Irvine, CA, 92718, USA; Phone: 800-426-4741 or 714-727-1800; Fax: 714-727-3268.*

## Foreign Languages

100/200LX

### Foreign Language Translator

Write what you want to say to your foreign language speaking friend and Entente translates it. This is a conversation translator, so the grammar may not be perfect ("Where be the bicycle shop?"), but you will be understood.

This 100/200LX version of the Entente translator program comes in English to: Spanish, Portuguese, Italian, French, German, Hungarian, Polish, Russian, Serbo-Croatian, Chinese (mainland, Latin-alphabet-based phonetic method), and Japanese (Latin alphabet "Romaji"). All the Latin-

alphabet languages currently work on the 100/200LX, and author promises to have more languages available as soon as possible. Translations between the non-English languages above (e.g. Hungarian to Chinese) will also be available soon. Contact Entente Corp. for more information.

Availability: ..... Now  
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\* ENTSPN14 is an English-Spanish version available now on *The Palmtop Paper On Disk*, the PDA Forum of America On Line, and from Entente Corporation.  
 CONTACT: *Entente Corporation, 1441 Mariposa Ave., Boulder, CO. 80302, USA; Phone: 800-409-1701; BBS: ramole@aol.com*

## Word Processing

100/200LX

### Typing Helper

Type on your Palmtop and this TSR utility monitors your keystrokes and offers to complete a word or phrase after seeing only a few characters. Also use the program to create macros that work in both built-in and DOS applications. Comes with a DOS version for your desktop.

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 CONTACT: *SHIER Systems & Software, 920 Hampshire Road, Suite A-29, Westlake Village, CA 91361; Phone: 805-371-9391; Fax: 805-371-9454; CompuServe ID: 74777.2477.*

# Increase Productivity with your Palmtop

## Palmtop Printing



Now you'll be able to print anywhere your palmtop goes. This plain paper printer has great resolution (360 dpi) and allows you to print last minute, life-saving charts and graphs in color. Small (10" x 2" x 1.85") and light (1.1 lb), the Citizen PN60 prints 2 pages per minute on cut sheets, letterhead and transparencies. Prints approximately 30 text pages on a black cartridge or 3-5 pages with a color cartridge. Don't sacrifice office printer performance while working on the road. Versatile, portable, and perfect for today's palmtop user.

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 Stock # 3054 (6MB version) . . . . . \$429

## Freeware

95LX 100/200LX

### Glossary of Networking Terms for the Internet

INTERO.ZIP is a 22.5K freeware glossary of Internet networking terms. The file, located in CompuServe's HP Handhelds Forum, Library 11, is written by O. Jacobsen and D. Lynch, and was converted to HP 100/200LX NoteTaker format by P. Verbruggen.

## Conferences and Services

95LX 100/200LX

### European Sections For CompuServe's HPHAND Forum

CompuServe HP Handhelds Forum introduces two new European sections; HPHAND Francais, and HPHAND Deutsch. HPHAND Francais, Section 20, is a French language

support section. HPHAND Deutsch, Section 21, is a German language support section.

Both sections will cover all HP handheld products. Gilles Kohl has joined the TeamHP staff to help out in these new sections.

95LX 100/200LX

### Insurance Coverage for Palmtops

The SystemSure insurance policy is a no deductible policy that protects your Palmtop against theft, fire, accidents, power surges, and natural disasters anywhere in the USA and Canada. Coverage is for replacement value and is available for Palmtops, desktops, other portables, and printers. SystemSure has been approved in most states — contact company for details.

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CONTACT: *Safeware, 2929 N. High Street, P.O. Box 02211, Columbus, Ohio, 43202, USA; Phone: 800-800-6132 or 614-262-0559; Fax: 614-262-1714.*

95LX 100/200LX

### HP Handheld Users' Conference

The 1995 HP Handheld Users Conference (see pg. 6, Vol.4, No.2, 1995) will be held the weekend of August 5-6, 1995, at the Event Center of the Mall of America Grand Hotel in Bloomington, Minnesota, U.S.A. Since 1979, 20 of these conferences have been sponsored by an enthusiastic group of HP handheld calculator and computer users — the conference is not connected with Hewlett-Packard in any way. The conference fee is \$75 U.S. if your registration is received by June 1, \$85 if received by July 1, and \$95 thereafter or if purchased at the door. Banquet ticket reservations (\$20 U.S.) must be received by July 1, 1995.

Conference Organizer Craig Finseth has a new E-mail address. Disregard the E-mail addresses published in the March/April 1995 issue and contact Craig at [fin@winternet.com](mailto:fin@winternet.com).

### CONFERENCE REGISTRATION

Though not an official sponsor, Thaddeus Computing has volunteered to handle conference registration. To register for the conference contact Colleen Rodibaugh at *Thaddeus Computing* at

515-472-6330, fax: 515-472-1879.

### HOTEL REGISTRATION

The conference fee does not include meals or accommodations. Rooms can be reserved at the *Mall of America Grand Hotel* (\$89 per night single or double accommodations). Contact the *Mall of America Grand Hotel* directly at 612-854-2244, fax: 612-854-4737. (You must mention the *HP Hand Held Users Conference* when you are making reservations.)

95LX 100/200LX

### PDA Conference Scheduled for August 5-6, 1995

The PDA Developers East '95 conference will be a technical conference for developers of PDA products. The two day event, hosted by Creative Digital, Inc., and co-sponsored by Geoworks, Inc., plans to present:

- An in-depth technical understanding of the most popular handheld platforms, their development environments, and the companies behind them.
- Information on what it takes to succeed as a PDA software developer.
- Insights into wireless technologies, wireless developer tools, and service providers looking for development partners.
- A glimpse at new technologies that will impact the PDA market.

Confirmed speakers include: David Elder, president of Psion, Inc., and Gordon Mayer, President and CEO of Geoworks, Inc.

## HP News

### HP and AMD to work together to develop advanced handheld devices

Advanced Micro Devices and Hewlett-Packard Company have announced that they will join forces in the development of the next generation of handheld computer devices. AMD is a leading developer and manufacturer of integrated chips used in desktop, notebook, and handheld computers. AMD and HP will work together on creating high-performance integrated chips combining advanced PC functionality and communications capabilities.

Although specific information on the devices to be developed is not available, these lower-power, highly-integrated chips are ideal for the handheld market. The HP/AMD relationship bodes well for Palmtop users, underscoring HP's continued interest in developing more powerful handheld devices.

## CONFERENCE REGISTRATION

Registration fees include breakfast, lunch, and breaks. The cost of registration before June 1, '95 is \$325, through July 10 is \$400, and after July 10 is \$450.

## HOTEL REGISTRATION

The conference is being held at the Sheraton Tara Hotel, 1657 Worchester Road, Framingham, MA, 01701. Phone: 508-879-7200; Fax: 508-875-7593. Single rooms are \$89 per night, doubles are \$99. A limited number of rooms will be held until July 14th. Mention Creative Digital or PDA Developers East to get the best rate. For more information, to register, or to inquire about pre-

senting your product in the Tools Showcase, contact: *Creative Digital, Inc.*, 293 Corbett Ave., San Francisco, CA, 94114, U.S.A.; Phone: 415-621-4252; Fax: 415-621-4922; BBS: *cdi@slip.net* or *74774.50@compuserve.com*

**95LX** 100/200LX

## Seminars on HP Palmtops

The Computer Instructors Corporation (see page 12, Vol.4, No.2, 95) is now located in Washington, D.C. C.I.C. class list should include ACT! for the Palmtop (not just the 95LX). C.I.C.'s clients have included, AT&T, Hewlett-Packard, and others. They hold seminars throughout the USA.

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4 or more persons ..... \$225 each  
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2 persons ..... \$395 each  
1 person (DC, NY, LA, only) ... \$395  
CONTACT: *Computer Instructors Corporation*, 2320 South Eads St., Arlington, VA, 22202, USA; Phone: 800-487-5040 or 703-486-2222; Fax: 703-486-7244; CompuServe ID: [70642,647]

## Updates and Corrections

**95LX** 100/200LX

## Correction for Correct Quotes

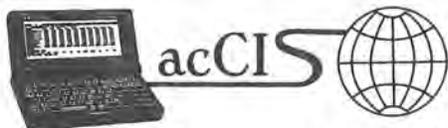
The product information for Correct Quotes was not included in the Product

index for the March/April issue (Pg.55, Vol.4, No.2, 95). The information should read: Correct Quotes — \$NA, Instant library of quotations. (See page 16), Contact: *SoftKey, Inc., USA*; Phone: 800-523-3520; Fax: 404-427-1150.

**95LX** 100/200LX

## Phone Number Correction for Project KickStart

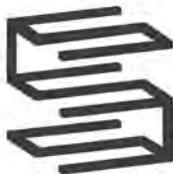
The phone numbers for Experience in Software's Project KickStart on page 48 of Best Tips 1995 (*Products Advertised in this Issue of the HP Palmtop Paper*), should read: Phone: 800-678-7008 or 510-644-0694; Fax: 510-644-3832.



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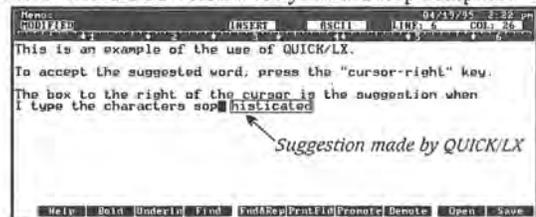
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Example of using QUICK/LX in MEMO

## QUICK/LX: Only \$39 plus shipping.

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.

# PalmConnect

*This connectivity software lets you run Windows versions of PhoneBook, Appointment Book, and NoteTaker on your desktop PC, and keep them synchronized with your HP Palmtop files.*

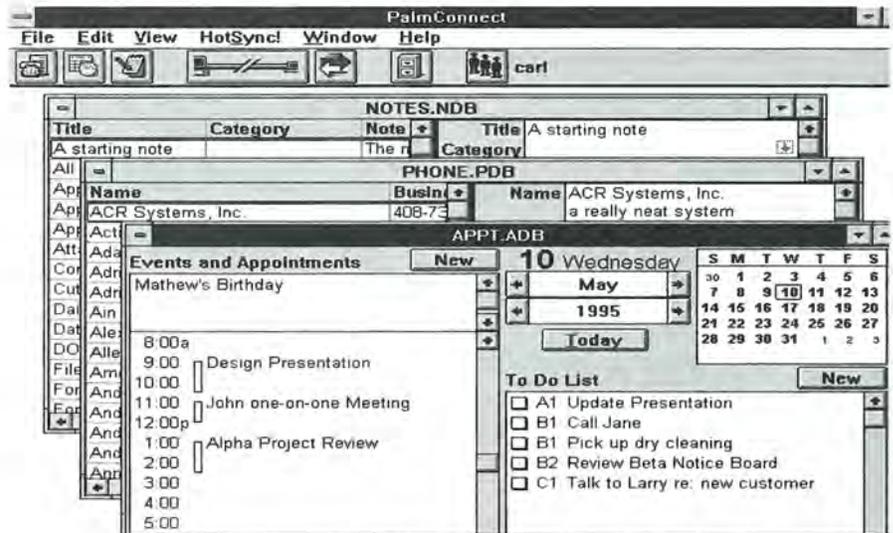
By Mark V. Scardina

Applications specifically designed for HP Palmtop users are few and far between, therefore when I heard that Palm Computing, Inc. had developed a connectivity pack that gave Windows users desktop versions of Phone, Appt, and NoteTaker, I was interested in putting the product through its paces.

Palm Computing has made a name for itself with their highly acclaimed Graffiti handwriting recognition software for the Newton, Zoomer and Magic Cap PDAs. Quite different from handwriting recognition, PalmConnect is a Windows application that provides connectivity between your HP 100/200LX and your desktop PC.

PalmConnect includes "HotSync!", a one click solution to backing up and synchronizing your Palmtop files. The synchronizing feature is useful to those who keep an Appointment Book on their Palmtop, and another on their desktop. Daily or weekly as you merge the two Appointment Book files, the synchronizing feature resolves conflicts caused by appointments scheduled in the same time slot. The Synchronizing feature also works for PhoneBook and NoteTaker files.

PalmConnect is available with or without a serial cable, or as an upgrade for HP Connectivity Pack owners. It utilizes a serial cable and the LapLink Remote Access drivers, as does the Connectivity Pack, to establish a link between your Palmtop and PC. (See the sidebar on page 19 for tips on running Laplink



PalmConnect's applications screens in Windows on a desktop PC

with Windows.) For 100LX users, PalmConnect includes the necessary LapLink Remote Server application software which is transferred to your 100LX using Zmodem in Datacomm.

Once you are connected you can use the "HotSync!" icon to create a backup of your Palmtop's files on your PC. PalmConnect does much more than backup your files. Windows versions of your PhoneBook, Appointment Book and NoteTaker files are provided along with the ability to merge records bi-directionally. This allows you to make

changes in both Palmtop and PC versions of your files and have them reconciled automatically (for PHONE, APPT, and NoteTaker). However, no synchronization exists for the Database or Quicken files.

The PhoneBook presentation is useful as it shows both a column view and the details of the highlighted record simultaneously. Unfortunately, the speed-locate capability allowing you to jump to a record by typing the first letters is not supported. Additionally, the

## ABOUT THE AUTHOR:

*Mark Scardina is Software Product Manager for ACE Technologies. He is also Sysop of the HP Handhelds and OmniBook Forums on CompuServe and the author of numerous utilities. His CompuServe ID is [76711,732]*

PageUp and PageDown keys do not move the highlight bar, forcing you to either use the mouse or the arrow keys to navigate the list.

The NoteTaker also displays the details of a highlighted record on half of the screen allowing you to see the Note field adjacent to the column view.

The Appointment Book's presentation is fixed, displaying your appointments and events on the left and ToDos and a calendar on the right. There is only a daily view, no weekly or monthly views.

PalmConnect's backup capabilities are similar to the HP Connectivity Pack in that it can backup a complete copy of the directory structure of each drive on your PC.

It does add a history feature, which keeps track of files that have already been backed up. When you do subsequent backups, PalmConnect does not backup files that have not changed, saving time in the backup process.

PalmConnect also has a file exclusion feature that lets you specify which files you want to backup and which you want to exclude. So, for example, you can set the backup feature to exclude specific individual files, or all files with a specific file extension (e.g., .EXE, .COM, etc.) and other non-data files.

The Automatic mode backs up and synchronizes everything without you having to monitor the situation. The Manual mode causes the backup process to query you when it finds a duplicate of the file to be backed up, asking which file you want to keep. Unfortunately, the lack of ability to tag files and directories for backup makes the Manual mode tedious.

These limitations aside, PalmConnect does allow you to easily keep your files synchronized. Conflicts in your Appointment Book or Phonebook are handled manually, but if you synchronize on a regular

# MacLinkPlus/ HP Palmtop



Mac



HP Palmtop

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MacLinkPlus can translate your phone book files onto your HP. No need to retype all that information! And you can translate your HP Phonebook names back into your Mac phone book as well.

### No excuses for missed appointments...

Appointment book alarms don't do and good if your not at your desk to hear them. With MacLinkPlus, you can convert your Mac appointment book files (such as, Now Up to Date or DateBook Pro) into the HP Appointment Book format. Now your appointments - and your alarms - will be on the road with you where they belong.

### Manage your notes...

Take Memos from your Palmtop and convert them into Mac word processing documents (such as, Microsoft Word, ClairisWorks, etc.) Your formatting such as bold, underline, etc. will remain intact. You can also convert word processing files from your Mac into HP Memo files.

### Don't leave your numbers behind...

In addition to PIM and Memo translations, MacLinkPlus can also convert your Mac spreadsheets into Lotus 123 format on your HP. Formatting and formulas all remain intact. Once you've made changes on your Palmtop, you can convert your file back into Mac format!

### Databases, too...

Use your HP databases in FileMaker Pro, Microsoft Works database, and other Mac database programs. All of your data and its formatting, such as, date and time will be translated.

### Everything's included!

Just connect the two computers with the included serial cable. MacLinkPlus/HP Palmtop will do the rest!

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HP 200LX  
HP 100LX  
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## Using LapLink Remote with Windows on your Desktop PC

By Mark Scardina

Many users have reported problems getting LapLink Remote Access (LLRA) running on their PCs. Since PalmConnect also uses this engine, Here are some tips in case you run into this problem.

### Insufficient Resource Memory Problem

The most frequent problem reported is that LLRA displays an Insufficient Resource memory error when you attempt to launch it. This error is a bit ambiguous, because there are many types of Windows resources. It does not refer to the USER or GDI Resources that most status programs display, but to the amount of DOS allocatable memory that is available below 1MB.

LLRA requires 100K of this memory in order to load LLRA2 and LLRA3. I have only found two utilities that report on the availability of this type of memory. Manifest from Quarterdeck (included in QEMM ver. 7.5) displays this under its WindowsMemory option. SysInfo from Central Point Software (included with PCTools For Windows) displays it under WindowsMemory as well.

Of course knowing you have less than the needed 100K and being able to do something about it are two very different issues! Here are some tips that will help you get up and running:

#### 1. Load LLRA1, LLRA2, and LLRA3 before launching Windows.

This method almost always works as LLRA doesn't need to load anything extra after you launch Windows. Its only drawback is that you lose about 74K of memory when shelled to DOS. If you are using LLRA only for periodic backups, this is the best solution and you can simply create a batch file to do this.

#### 2. Launch Windows with WIN /N to prevent network drivers from loading.

If you are running a Windows For Workgroups network, it will need to load its drivers in the same area that LLRA wants to use. This is guaranteed to cause a Resource error. If you absolutely need both at the same time, then use Method #1 above.

#### 3. Reduce your display resolution.

The amount of allocatable DOS memory is directly impacted by the resolution and number of colors you are using. Try running Windows Setup and selecting the standard VGA driver or reducing the resolution of your specific video driver.

#### 4. Increase your lower DOS memory before launching Windows.

Since this Windows resource is not of a predefined size, the amount of free memory that you have prior to launching Windows will govern the amount of DOS allocatable memory you have under Windows. If you have less than 540K (run MEM.EXE to find out) you most likely can create more space by loading some of your drivers and TSRs into upper memory or extended memory. Utilities such as EMM386 (included with MS DOS), QEMM, 386max, and Netroom can do that for you.

#### 5. Shell to DOS and return to Windows.

This tip pertains to those that get this error intermittently — if LLRA works when you first start Windows but stops if you launch it later. As you use Windows, the lower DOS memory can get fragmented. Shelling to DOS will clean up this memory and should permit you to launch LLRA.

If none of these help, you may be able to get some clues from the fact that programs and drivers need this DOS memory when they must be accessible in a DOS shell from Windows. This is why Network drivers cause a problem.

### Serial Port Access Problem

The other main problem area concerns access to the serial port. LLRA creates a \TSI\TSI.INI file that tells it how and where to access the serial port. It consists of entries such as the following:

```
[COM1]
Enabled.Redir=Yes
Default=3F8,4
TransferMode=Standard
Address=3F8
IRQ=4
Type=Serial
Baud=0
```

If you are unable to get connected, try changing IRQ=# (IRQ=4 in the above sample) to IRQ=POLLLED. This will not give you the highest speed but will resolve conflicts between other input devices such as your mouse.

For those of you using Windows NT or OS/2, I am afraid I have heard of no reports of LLRA successfully running with either of these two, and Traveling Software (the publisher of LLRA) does not support it under those operating systems.

## Easy File Transfer Between Your Palmtop and Desktop



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basis it should not be too cumbersome.

PalmConnect is not a full replacement of the Connectivity Pack. It does not support synchronizing Quicken files. Import and export abilities are limited to dBase (\*.DBF), Comma Separated Value (\*.CSV), and Tab Separated Value (\*.TAB) file formats and only with PHONE and NoteTaker files. However, it does provide a quick way to enter data in its supported applications as well as keep them in synchronization. Its backup capability is more flexible than the Connectivity Pack. Finally, PalmConnect is a true Windows application and should be investigated by anyone looking for Windows connectivity with their Palmtops.

**Product Index: page 47**

# User to User

*Discover the "Patience" to play solitaire; take a look at the new HP 1000CX DOS Palmtop; Hal and others give HP advice on how to advertise the HP Palmtop.*

By Hal Goldstein

## Solitaire

I haven't played solitaire in years. However, recently the combination of finding PATIENCE.COM for my Palmtop and lots of travel changed that pattern. Frankly, I don't understand the human fascination with placing cards one on top of the other in strict accordance with a specific set of rules. Granted, some skill is involved, but there are better games for exercising brain muscles. (See Vol.4 No.1 Pg.20). Even so, I became hooked on Patience.

There are ten games of solitaire to choose from in Patience, as viewed from the opening screen.



Patience solitaire opening screen menu

There is a lot to like about this program. Set it up in Application Manager and you can run it without exiting the built-in applications. The Path statement in the AppManager setup screen should look like this (assuming the main PATIENCE program file is stored in C:\PATIENCE):

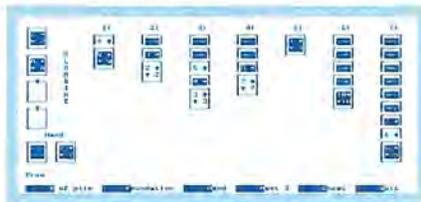
```
c:\patience\patience.exe //1176
```

The /1 is an undocumented AppManager switch that makes

the game more readable. The 1176 tells the Palmtop to allocate 176K of system RAM for the game.

The main program file occupies 61K of disk space. You can also include an optional 99K help file. The nice thing about including the help file is that when you press **F1** you can access the rules of the game.

Playing the ten PATIENCE games is easy, as each has a similar user interface. Moving cards is easy, as the following example will show.



Klondike solitaire game screen

Klondike is the most common form of Solitaire. The above screen shows a Klondike solitaire game in progress. In the above screen, to move the 6 of Hearts in stack 7, to the 7 of Clubs in stack 4, type 7 4. If there was an Ace in stack 1 you could move it to the foundation, by typing 1 f.

There is even a Cheat mode in some of the games, not that anybody ever cheats in Solitaire. When you are finished, the computer scores how you did and records the results for future reference.

As good as the games are, the implementation on the Palmtop is not perfect. First, the cards are small on the screen. If lighting is

good and your eyes are OK, the display is acceptable but borderline. Secondly, if you store the program on the A drive, you may not be able to access help or the scoring history. I used the ASSIGN command (ASSIGN C:=A:) to remedy this. I could use HELP and Score History for a while, but then I couldn't get it to work properly. The third problem is that the shareware author has disabled the Setup feature. That means if there are features that make the screen more visible or allow you to run it from your A drive, you won't be able to test it before registering. Even given these shortcomings, Patience is a virtue on the HP Palmtop.

## The HP 1000CX

In the last issue we published an announcement from HP about their new DOS-only HP 1000CX Palmtop PC. We received a number of queries requesting more information and recently got an evaluation unit from HP, so here are more details.

The HP 1000CX is a 1 megabyte HP 100LX without the built-in applications. It even looks like the HP 100LX. It has the HP 100LX black colored case and green Fn key (as opposed to the greenish HP 200LX case and its purple Fn key). The ZOOM, PRT SCR, and Fn features were left in tact on the bottom row. Missing, however, are the Date, Time, Cut, Copy, and Paste functions. The Menu key is there, but blank. The HP 100LX blue application keys have been replaced by white keys with the shifted values (!@#\$\$^&()).

When booting on the the HP 1000CX, one gets the classic DOS C> prompt. Check out the sidebar on the next page for a list of the software built into the D drive of the HP 1000CX.

As the sidebar shows, the 1000CX comes with Laplink Remote, the basic DOS commands, and a few other built-in goodies.

The HP 1000CX was created for vertical market developers with DOS applications ideally suited for the Palmtop's size and price.

The HP 1000CX is sold in lots of fifty to OEM developers. Users interested in single unit purchase can contact EduCALC (800-713-6526 or 714-582-2637; Fax: 714-582-1445) or Globalink (800-255-5660 or 703-273-5600; Fax: 703-273-3866).

OEM developers can contact their HP Palmtop distributor or a local HP sales office. Only 1 megabyte are available, but perhaps with a large enough order, HP would create 2 megabyte versions.

## Advertising the HP Palmtop

Many of us have become HP Palmtop evangelists. We use the Palmtop all the time, we keep discovering ways to use it to make us more effective, and we don't understand why HP doesn't advertise the darned thing. When we bubble to our friends, they are skeptical. They see it (perhaps rightly) as our toy, and they don't know why they've never heard of it.

There have been several HP ad campaigns, but not a lot of resources have been invested in Palmtop advertising. The most recent advertising appears in consumer money-management magazines such as Money, Kiplinger Report, and Worth under the headline of "Chaos Management". We have reproduced it and its "Road Warrior" predecessor of over a year ago on page 23. (For space



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Fits Sharp, Casio BOSS, Apple Newton, Psion, etc.						■	■	■
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Fits on airplane table	■	■	■	■	■	■	■	■
Pen/pencil holder		1	1	1	2		2	2
Pockets for PCMCIA, business, or credit cards		3	3	4	8		10	12
Pocket for checkbook, bills, etc.		■	■	■	■		■	■
Notepad					■			
External pockets for tickets and more							■	■
Internal file folder							■	■
Pull out mouse pad (see pictures)							■	■
Pouch for cables and shoulder strap							■	■
Computer can be attached via Velcro (included)	■	■	■	■	■	■	■	■
Snap in tray for the HP 95, 200, or 100LX (optional)	■	■	■	■	■	■	■	■

**AMERICAN EXPRESS**



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Roseville, CA 95661

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Fax: 916-782-9306

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

**Want to carry your Palmtop on your belt or your shoulder strap? Ask about our new Futura 20 Black Leather Case.**

**Use your Futura 150 or 175 case to carry your HP Palmtop and your Pentax or Citizen portable printer.**

30 DAYS TRIAL OFFER. IF YOU ARE NOT COMPLETELY SATISFIED, SIMPLY RETURN IT UNUSED FOR A FULL REFUND OF YOUR PURCHASE PRICE.

### Software built into the HP 1000CX

Below is a listing of the software built into the D drive of the new HP 1000CX:

Directory of D:\ ..... file size	LLRAW.BAT .....116	SWISS.KIT .....2160
CONFIG.SYS .....35	LLRAIR.BAT .....121	AGERMAN.KIT .....1734
AUTOEXEC.BAT .....1069	LLRAS.BAT .....125	CANADA.KIT .....1791
Directory of D:\BIN	KEY200.COM .....3595	Directory of D:\DOS
KEYBEZ.COM .....5964	KEYBEZ.KIT .....1850	ASSIGN.COM .....5164
KEYBEZ.FON .....4796	ACOUNTRY.KIT .....1751	COMMAND.COM .....477
SEUROPE.KIT .....7222	ALATIN.KIT .....1853	FORMAT.COM .....22314
XINE.COM .....1992	ANORDIC.KIT .....1621	CHKDSK.EXE .....11994
DISPCTL.COM .....194	BELGIUM.KIT .....1768	LOADFIX.COM .....1036
SERCTL.COM .....183	COUNTRY.KIT .....1846	MODE.COM .....15540
CIC100.EXE .....5502	LATIN.KIT .....1807	MORE.COM .....2548
FDISK100.EXE .....8212	NORDIC.KIT .....1979	XCOPY.EXE .....11184
MONO8025.COM .....10	LLRA1.EXE .....5296	ATTRIB.EXE .....11170
SETUP.COM .....15530	LLRA2.EXE .....71221	DOSKEY.COM .....4736
TSI.INI .....177	LLRA3.EXE .....29020	SHARE.EXE .....8983
	LLRA4.EXE .....21825	DEBUG.EXE .....15723
	LLRA.BAT .....691	
	AFRENCH.KIT .....1684	

reasons we reduced these full page ads to one fourth page.

Apparently (based on the magazines chosen) the current campaign targets Quicken users although that is not the explicit emphasis of the ad.

**IN MY HUMBLE OPINION**

I am glad that HP is advertising. More users mean more Palmtop

knowledge, more Palmtop products, and more HP attention on research and development. However, I believe HP could be better directed, more aggressive, and more effective in its advertising.

Advertising the HP Palmtop is a challenge, especially if you have a limited budget and only a page to work with. First you have to decide

what potential customer you want to target. Then you must decide what publications or media in which to advertise. Third, the ad that you create must get your target customer's attention and stand out from the sea of other advertising. Once the customer notices you, you must keep that attention and communicate the compelling reason to buy. Then you must tell how to buy. On top of that, a company such as HP must maintain some uniformity in its image as it advertises across various product lines.

Both the Road Warrior and Chaos Management ads get your attention. (As much as I personally didn't like the look of the Road Warrior himself, it was especially effective in getting your attention.) The words "Chaos Management" also grabbed me, but its rigid up and down look and object-oriented approach rather than human appeal did not make me want to read it.

## Flash RAM & FAX Modems At Low Factory-Direct Prices

**Maxtor**

**EXP**  
EXP Computer, Inc.

**MobileMax**

PCMCIA 3.5MB  
Flash Memory Card

**3.5 Megabyte  
UnCompressed  
PCMCIA Flash  
RAM For The  
HP-100/200LX**

**\$149.00**

**EXP**  
EXP Computer, Inc.

PCMCIA 14.4K  
Fax/Modem With  
Built-In Software &  
2MB Flash Memory

**14.4k Baud  
Fax/Modem  
With Built-In  
Software &  
2/4MB Flash  
RAM Memory**

**\$279.00 2MB**

**\$349.00 4MB**

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## Altima Trading System<sup>®</sup>

The most advanced option pricing and position management software for hand held computers available today.  
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The copy of both ads are well-written and benefit oriented. However, I don't think there is enough of a graphical or verbal tie between the main graphic and the body copy to invite people to read.

One has to be pretty sophisticated to appreciate the value of the HP Palmtop from an ad. To date, most Palmtops have been sold by word-of-mouth (HP has not aggressively advertised the product or even had it well-distributed).

If I were to design the ad for HP, I would put the emphasis on its two most important assets. First it truly is a "computer in your pocket". Secondly, users love it. I think HP should invest its limited ad resources in advertising to the group that has been most effective so far in spreading the word: experienced computer users. Computer (and perhaps business) publications are the best platform for these ads. The Palmtop can be marketed

as an inexpensive computer rather than an expensive organizer.

The second asset that should be exploited in an advertising campaign is the unrestrained enthusiasm for the Palmtop by many users. Palmtop use is quite personal, and that human element should be emphasized in the ad. It is not the Palmtop per se that is sold but the relationship between the person and the machine. That is its strength. That should be the emphasis.

We at *The HP Palmtop Paper* decided to take a shot at "how HP should advertise the Palmtop". Freelance graphic designer George Foster (who I've worked with for years and who designs our HP Palmtop Paper covers) agreed to design an ad according to my specifications. (George specializes in book covers, but does the whole range of graphic design work

including brochures and ads. He can be reached c/o Foster and Foster, 104 South 2nd St., Fairfield, IA, USA; Phone: 515-472-3953; Fax: 515-472-3146.)

You can see our approach on page 26. What do you think?

As long as we are discussing advertising, we have always wondered why HP doesn't advertise its excellent Palmtop accessory line with us. HP sells service contracts, storage cards, the Connectivity Pack, connectivity cables, and HP StarLink. The HP Palmtop Paper seems like a perfect medium to communicate the benefits of these important Palmtop add-ons.

**Product Index: page 47**  
**Share/Freeware Index: page 48**

**The road warrior's weapon of choice.**

Now with 2-MB memory!

**The HP 100LX palmtop PC keeps you in touch wherever you go.** It packs cutting edge computing and communications features. All wrapped up in a sleek 11-ounce package. Including one key access to:

- Mail\* Mobile, the market leading e-mail software.** Today's new, cool machines fit neatly into our PC MAIL 2.0 slot, connecting you to your corporate or office systems.
- Take your office with you.** Built-in MS-DOS 5.0 means you can run optional PC software. With the new 2-MB memory, you can add even larger applications, such as Quicken and M.T.

Use the built-in applications to create custom databases. And sort through a list of customer billing profiles or your favorite restaurants.

**1-2-3** Keep running numbers on Lotus\* 1-2-3®. Not 2-1. You're in control - she's heaven!

The features keep coming. Like our appointment book to keep you on top of your schedule, with week and month-at-a-glance. Notetaker to capture ideas. Powerful analysis on the HP financial calculator. Flexible phone book.

All this and more, more than ever. Now for less. The 1-MB HP 100LX is just \$548\*. The new 2-MB version only \$748\*.

For more information and the name of your nearest HP 100LX dealer, call us at 1-800-443-1254, Dept. 785. Then hit the road armed with all the right answers.

**hp HEWLETT PACKARD**

**chaos**  
**management.**

**The HP 200LX Palmtop PC**

**It fits your lifestyle. It fits in your pocket.**

You have investment portfolios to manage. Accounts to reconcile. A busy travel schedule. Fortunately for you, the Hewlett-Packard 200LX Palmtop PC gives you all the tools you need to organize your world, in one pocket-sized package.

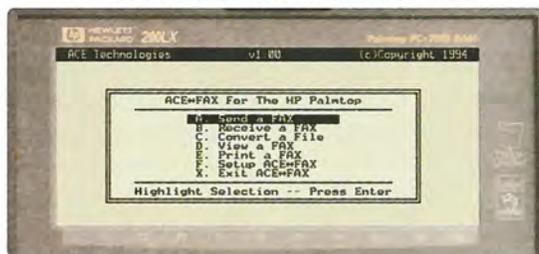
- 1-2-3** Built-in organizer tools put the world at your fingertips. Check phone numbers, business contacts, appointments, to-do lists and more. You'll save time and effort by adding or updating information as you receive it.
- 1-2-3** Lotus 1-2-3\* and a powerful HP financial calculator are built-in, giving you unlimited productivity power. With built-in MS-DOS 5.0 you can even run PC software!
- 1-2-3** Memo Editor lets you create, outline, format, edit, and even import text from word processors. Plus, a handy Notetaker gives you a place to store and access these important bits of information that don't fit anywhere else.

LapLink\* Remote Access makes it easy to transfer files between your desktop and the HP 200LX Palmtop PC. And, because you have enough to think about, we've even made it easy to get all the details. Just call 1-800-443-1254, Ext. 611 for more information.

**hp HEWLETT PACKARD**

# 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



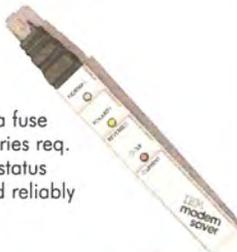
## ACE↔FAX Megahertz XJACK System

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

**NEW!**

## ModemSaver

- ✓ Don't let your modem become a fuse
- ✓ Convenient, pen-sized, no batteries req.
- ✓ Multi-Color LEDs display jack's status
- ✓ Connect your modem safely and reliably



## CableCard

- ✓ Carry your phone cable conveniently
- ✓ PCMCIA sized integrated case
- ✓ 8 ft length reels in and out easily

**NEW!**

ACE↔FAX for HP 100/200LX.....	\$29
XJACK 14.4K/14.4KFax/modem + ACE↔FAX .....	\$229
ModemSaver .....	\$29
CableCard .....	\$10
External 14.4K Pocket/Fax Modem + Direct cable.....	\$269
External 2.4/9.6K Pocket/Fax Modem + Diect cable .....	\$139

## HP CARRYING CASES

Custom Black Nylon case.....	\$19
Custom Black Leather case (shown).....	\$39
Deluxe Black Leather case (shown).....	\$49
Executive Black Leather Portfolio .....	\$59
CASE SPECIAL! SAVE 10% with any purchase of \$50 or more	



## 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 1200mAH high capacity NiMH batteries
- ✓ AppMAN! gives you complete control of DOS applications
- ✓ HP world-wide universal AC adapter

### 200LX 1MB Systems with DoubleFlash® Plus

6M (up to 6MB) .....	\$799
10M (up to 10MB) .....	\$869
20M (up to 20MB) .....	\$999
40M (up to 40MB) .....	\$1,299
80M (up to 80MB) .....	\$1,849
For 200LX 2MB Complete Systems .....	add \$190

### HP 200LX Basic Systems

1MB with AppMAN! .....	\$499
1MB with ACE↔LINK, PC Serial cable, and AppMan! .....	\$535
2MB with AppMAN! .....	\$659
2MB with ACE↔LINK, PC Serial cable, and AppMan! .....	\$679

## **NEW!** ACT! for HP Palmtops version 1.1.1

Best Selling Contact Management now available for the 95/100/200LX

- ✓ High speed reliable transfers with ActWin/DOS
- ✓ Store up to 4,000 contacts and 400 activities
- ✓ Daily and weekly calendars for quick reference to activities
- ✓ Multi-scheduling capabilities: calls, meetings, and to-do's
- ✓ Customized contact record fields to suit any business contact
- ✓ Import and Export capabilities including the HP Phonebook

ACT! for HP Palmtops version 1.1.1 (C1255) ..... **\$89**

## 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 1200mAH batteries .....	\$49
BATTman 2.0 with 2 NiMH 1200mAH batteries & charger .....	\$59

## BLE COMPUTING SOLUTION



### Color! OmniBook 600C

Flexibility, Power, and Color: Now with the HP OmniBook, you can take it with you.

- ✓ Desktop performance under 4lbs
- ✓ Super VGA Color external output
- ✓ Patented built-in pop out mouse
- ✓ Windows for Workgroups (enhanced mode) pre-installed

**Lower Prices!**

#### HP OmniBook Super Portable Systems

OB600C 486DX4/75 8MB RAM, 170MB Hard Disk .....	<b>\$2,999</b>
OB600C 486DX4/75 8MB RAM, 260MB Hard Disk .....	<b>\$3,199</b>
F1054A - OmniBook 600C 4MB system RAM expansion card .....	<b>\$325</b>
F1055A - OmniBook 600C 8MB system RAM expansion card .....	<b>\$579</b>
F1044B - OmniBook AC/DC world-wide Adapter .....	<b>\$99</b>
F1058A - OmniBook 600C Rechargeable NiMH battery pack .....	<b>\$99</b>
F1063A - OmniBook 600C External charging clip .....	<b>\$49</b>
F1064A - OmniBook 600C Auto power adapter.....	<b>\$99</b>
F1071A - OmniBook 600C Port Replicator.....	<b>\$349</b>
Ethernet PCMCIA Card for OmniBook (Coax and Twisted Pair).....	<b>\$249</b>

## CONNECTIVITY SOLUTIONS

**NEW!**



**GO WIRELESS!**

### 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
- ✓ Transfer Files using InfraRed with JetEye
- ✓ Works under Windows, NT and OS/2

ACE↔LINK with Cable & IR JetEye adapter .....	<b>\$129</b>
ACE↔LINK with serial cable (C1260).....	<b>\$39</b>

## PRINTER SOLUTIONS

**NEW!**

### Pentax Palmtop PocketJet

- ✓ Smallest, Lightest, Portable Printer
- ✓ Ultra-sharp 300dpi printing
- ✓ Up to 3 pages per minute
- ✓ Print directly from your PC/Palmtop
- ✓ Premium bonded thermal paper included
- ✓ 24 Hour "Hot Swap" Exchange warranty included



#### Serial to Parallel Converter

- ✓ Connect to any parallel printer
- ✓ Connects with HP-PC serial cable
- ✓ No batteries required



Palmtop PocketJet with Parallel & DIRECT cables . . .	<b>\$489</b>
PocketJet with Parallel cable . . . . .	<b>\$449</b>
Bonded thermal paper (100 sheets) . . . . .	<b>\$8</b>
ACE Serial to Parallel Converter . . . . .	<b>\$79</b>

## RE SOLUTIONS

### Magnify! version 1.1

HP 100/200LX Software Magnifying Lens



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.....	<b>\$19</b>
--	-------------

## TO ORDER

**800-825-9977**



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



The HP Palmtop  
Paper's suggestion  
for an HP 200 LX ad.  
See page 24.

# A Computer in your Pocket! What for?



**"IT WORKS  
THE WAY I  
WANT."**

*"It is awesome what can be done on the little thing. I practically run my business on my HP 200 LX using several custom databases, Quicken, Lotus 1-2-3, HP Calc, and, of course, Phone Book and Appointment Book. Amazing how many times a day it comes in useful."*

**MARIO IGREC**  
PRESIDENT, INGREC LTD., BATON ROUGE, LA



**"IT SAVES ME  
FROM LUGGING  
AROUND MY  
LAPTOP."**

*"My powerful 486 Windows notebook gathers dust on a shelf, but I never leave home without my HP Palmtop! My Palmtop's always there for planning, recording, recalling, reading, searching, finding, using and learning, all for a fraction of the cost of my notebook."*

**ROGER H. HOWE, CPA**  
WORLAND, WY

**"IT'S MY ENCYCLOPEDIA."**

*"I am NEVER without my HP Palmtop. It helps me keep track of everything I need to live, including all my appointments, todo list, important phone numbers, train schedules, my journal, quotes, area codes, CDs, check register, ad infinitum. It lets me jot down thoughts, try out a new idea in a spreadsheet, or develop a new database anywhere."*

**HEATHER HOLLICK**  
STAFF ANALYST, MET LIFE  
SAN FRANCISCO, CA

**"IT'S ALWAYS WITH ME."**

*"It's there in my car, on hikes, at breakfast, at work. Nobody notices, but it's ALWAYS there! I have never owned (nor seen) a tool that was so versatile and still as ready at hand. All I have to do is feed it a couple of AA batteries every month or two."*

**STEVE TRAINOR**  
VP FINANCE, S.S.S.C., BIG BEAR LAKE, CA

## The HP 200 LX Palmtop PC

It's easy to put a computer in *your* pocket!  
Just call **1-800-443-1254 ext. 611**  
for more information.



## How Users Think HP Should Advertise

We asked members of the HP Handheld Forum on CompuServe how they thought HP could improve their HP Palmtop advertising. Here are some of the responses we gathered.

### Laptop in my shirt pocket

For me, the formula is simple: The HP 200LX is an IBM compatible "laptop in my shirt pocket." Nothing else matters. Having a laptop in my pocket means I can compute literally anywhere, any time. I can use WordPerfect 5.1 on my Palmtop, Lotus 1,2,3, Webster's New Collegiate Dictionary, or any of countless other DOS-based programs. The fact that the HP Palmtop is there when you need it makes it even more usable than a pricey laptop.

*Edward A. Caine  
CompuServe ID: [73051,3722]*

### Address mass market

I strongly feel that HP has been missing the mass market. They need to talk about specific problems and their solutions.

*David Shier  
CompuServe ID: [75030,3374]*

### It's there when I need it

Here's the marketing angle: I'm able to accomplish real work with it while sitting in the yard or down by the lake or when on trips. It fits in my pocket and I can use it conveniently. Laptops are just too unwieldy for my tastes.

*Fred Kaufman  
CompuServe ID: [72560,36]*

### The key is "Personal Information Management"

Personal — because I always carry it with me and it is instantly accessible.  
Information - I have lists of: all the books I have read since 1985, my CD library, bank account numbers, schedules for the local public transportation system, area codes in the US, videos I have rented in the last year, books and videos that have been recommended to me.  
Management - I can add books, reschedule appointments, look up an area code, all with the stroke of a few keys, and always in the same place, the HP Palmtop.

*Brian Hollick  
CompuServe ID: [71023,464]*

### Convince them they don't need a full-sized keyboard and big screen

The marketing "problem" for HP is that business travellers believe they need the full size keyboard and big screen of a laptop. You only NEED a laptop if you need VGA graphics. Otherwise, the size/weight advantage of the palmtop makes it the overwhelming favorite.

*Lee Buck  
CompuServe ID: [76430,1067]*

### Focus on mass market

I am not a pocket protector type. I'm tired of lugging a notebook around and a huge printout of my phone book and calendar. Focus on me.

*Sue Buchheit  
CompuServe ID: [76535,1134]*

### The HP Palmtop is "HP's Laptop in Your Pocket!"

How about a picture of a hassled flight attendant desperately trying to serve dinner to a harassed businessman crammed into the window seat and trying madly to pack away a 7 lb ThinkPad, while seated next to him is a happy 100/200LX user eating dinner, with his LX in his shirt pocket: "HP's Laptop in Your Pocket Solved That Problem." Or how about a series of pictures featuring business men and women in real life contexts looking up from their LX's happily but quizzically with the following questions and answers:

"WordPerfect? Sure... HP's Laptop in Your Pocket!"  
"CompuServe? Sure... HP's Laptop in Your Pocket!"  
"Internet? Sure... HP's Laptop in Your Pocket!"  
"Lotus 1,2,3? Sure... HP's Laptop in Your Pocket!"  
"Quicken? Sure... HP's Laptop in Your Pocket!"  
"Toy? Not on Your Life... HP's Laptop in Your Pocket!"

The possibilities are endless! I think we should have a contest to provide HP with some advertising ideas.

*Edward A. Caine  
CompuServe ID: [73051,3722]*

### Make it available and tell people about it

Here in Germany there is no advertising, no availability in local stores, and almost no one here knows about the Palmtops. Of course Sharp, Psion, and others are everywhere and are aggressively marketed. The HP can be 'special ordered' from a few stores. See the difference?

*Thomas Rurdel  
CompuServe ID: [100023,2477]*

### DOS Compatibility and Standard PCMCIA slot

I finally decided on the HP Palmtop over the Psion for two reasons: DOS compatibility and a standard PCMCIA slot. I did not want to get stuck going down a narrow, windy, one-way, expensive proprietary street. No other computer offers as many features (ROM programs, PIM applications, database, DOS compatibility, long battery life, quality keyboard, etc.) in such a small package.

*Stan Dobrowski  
CompuServe ID: [71031,2162]*

### Break through "PDA" thinking

HP needs to produce a first-class advertising campaign geared to raising the consciousness of potential users who are currently stuck in the "PDA" mode of thinking created by Apple Newton advertising. Apple created a market for its product by advertising and not by the product itself (which seems to be diametrically opposed to HP's approach).

HP needs to create "PLT" (Palmtop as Laptop in your pocket) consciousness. If HP does not create the "PLT" market through adroit advertising, the current LX customers are not going to be particularly successful in propagating LX use. You and I know that the HP Palmtop is far more than a PDA-type Personal Information Manager. But people who haven't bought one don't know that. I've tried to tell many intelligent people just what the HP Palmtop really is. To date, I know of only one person who has acquired one as a result — and I'm a persuasive sort of guy.

*Edward A. Caine  
CompuServe ID: [73051,3722]*

### HP needs Palmtop vision

I don't know what HP's vision for the Palmtops is, but I think it has been underestimated and misplaced. Without a vision there can be no commitment. The CompuServe HP HAND Forum could help HP form a vision. HP would find that there is a "goldmine" here in the HP HAND Forum, not only from a marketing standpoint, but from a support standpoint as well. It doesn't take a 'rocket scientist' to figure out that a Palmtop, this forum and The HP Palmtop Paper equal a VERY marketable package. Where else could HP find all the "free advertising" that goes on in this forum?

*Allen Tucker  
CompuServe ID: [74720,1470]*

### Palmtop "Swiss Army Knife"

The Palmtop really is more like a Swiss Army knife than anything else. You can depend on it to help you out of a hairy situation.

*Richard R. Liu  
CompuServe ID: [100103,1771]*

### Don't waste money advertising

I don't know if LXs really appeal to the "masses". Current users are a pretty techno-orientated bunch, who like fiddling with bits, bobs, and bytes. We measure battery life, write programs, want to know what the latest driver from ACE actually does, and log on to CIS to discuss it all!

Many people think of computers as things with Windows and mice. They don't want DOS, perhaps wouldn't even know what to do at C:\>. I think the market for the HP Palmtop is small and those who want this sort of thing go out and find out about it. Why waste money advertising?

*Jeremy Prydal  
CompuServe ID: [100325,1315]*

### Oh where, oh where can I find one?

I very much like the concept of the Palmtop but would prefer to at least place my hands on one before deciding that it is suitable for my needs. No place in town (Huntsville, AL, U.S.A., population 160,000) that stocks the Palmtop except for Service Merchandise, which had one 1MB 200LX behind a glass panel and no, I couldn't play with it!

*Gary Spiers  
CompuServe ID: [74603,3001]*

### Market to professionals.

HP should concentrate on these people. For example, my use of the HP in the hospital has generated much interest amongst many of the attending physicians, most of whom would be willing to plunk down a few 100 dollars on this device if spoon fed the information. If HP gave out a few HPs to key people in these settings (same goes for business and financial markets) and provided some support (i.e., an HP representative who visited once a week for a few months) they would have more orders for HPs than they would know what to do with.

*Steve Zweibel  
CompuServe ID: [71543,1345]*

### Current users best advertisement.

The best advertisement for the HP Palmtop is done by those who currently have one. Why doesn't HP use a method which proved to be successful for CompuServe. Reward current users for recommending the product to friends.

*Yves Leurquin  
CompuServe ID: [100276,3573]*

### Palmtop needs better literature

I think it is unreasonable to expect the retail sales force to suddenly get better trained, but HP could provide much better descriptive literature at each store display. They could offer a 30-day money-back guarantee like Dell does. (How many people could part with a Palmtop after using one for 30 days!) They could provide videos on the operation and features of the machine to folks who call an 800 number. They need to push the "XT in Your Pocket" angle in addition to the built-in applications. It would also help if their own telephone sales staff were more knowledgeable about machines.

*Victor D Roberts  
CompuServe ID: [70413,1423]*

### Palmtop street vendor?

Sometimes I wonder if I should buy a bunch of the 200LX's and set up a cart in the middle of a busy mall. I would have a flashy setup with units for the people to play with and demonstrations of the built in and additional programs. And with the knowledgeable sales person (I know that is an oxymoron) being me, I bet I could sell a bunch of these marvels.

*Stan Dobrowski  
CompuServe ID: [71031,2162]*

# PCMCIA Ethernet Adapter Card

*Slip this PC Card in your HP 100/200LX Palmtop PC and carry your LAN terminal in your pocket, wherever you go.*

By Tom Gibson

Local Area Networks (LANs) link a group of computers together, allowing their users to communicate and share important information. There are different "protocols" or systems and rules defined for this purpose. Ethernet is one of the most common.

LAN capability is becoming increasingly important, but till recently, Palmtop users have had problems interfacing with Local Area Networks. About the only practical solution was to connect an HP Palmtop via serial cable to a desktop PC that was itself connected to the LAN. This approach was cumbersome and slow.

A more direct connection to the LAN was the solution to the problem and the card slot was the obvious choice. Data transfer between the Palmtop and a card in the slot is much faster than serial or infrared port data transfer. Unfortunately, earlier versions of PCMCIA ethernet adapter cards were designed for full-sized desktop computers and notebook computers. They did not work with the HP Palmtops because of battery requirements.

## Silicom Ethernet adapter cards

Silicom is the first company to develop PCMCIA ethernet adapters compatible with the HP 100/200LX. We first mentioned two of these PCMCIA cards on page 10 of the January/February 1995 issue. The

**Silicom PCMCIA Ethernet SPE Card** is an ethernet adapter card that comes with specially developed Support Driver software, allowing the card to work with the HP 100/200LX. The card lets you connect the HP Palmtop to all major Network Operating Systems, including Novell DOS 7, Netware Lite Workstation/Server, Windows for Workgroups 3.10 (NDIS), Windows for Workgroups 3.11 (NDIS), LAN Manager 2.0, LAN Manager 2.1, Banyan Vines 4.X (NDIS), Lantastic 5.0 with NDIS support, Lantastic 6.0 (NDIS), FTP PC/TPC (Packet), and FTP PC/TCP NDIS.

The other card mentioned in the January/February 95 issue was the **Silicom PCMCIA EtherFlash Card**, a PCMCIA combo card that comes with the same LAN connectivity features as the SPE card, and 1MB or 2MB of Flash memory built in. [Note: *Silicom is still modifying the system driver software to allow the 100/200LX to access the Flash memory on the card. At present, only the LAN capabilities of the EtherFlash Card can be used.*]

Either of these cards will allow you to connect your HP Palmtop directly to your LAN to exchange

files and run any of the network DOS software (provided the software will run on an XT class machine CGA, 8086 CPU, 640k of system RAM). With these cards you connect to your LAN and have access to E-Mail and other network resources when other terminals are not available. It is also very handy for trouble shooting the network when you have a terminal that is not working and need an emergency portable terminal. I tested the EtherNet SPE Card on our Novell Netware 3.11 system. The LAN portion of the EtherFlash card is identical and should also work on the HP 100/200LX Palmtop PC.

## Connecting the HP Palmtop to a LAN

Both the Silicom EtherFlash PCMCIA and Ethernet PCMCIA cards come with cables to connect to 10BASE-T (twisted pair) and 10BASE-2 (thin coaxial) systems. Silicom tech support tells us that the coaxial connection draws too much power from the Palmtop and does not work reliably. The Ethernet cards also come with a 3.5" diskette containing the necessary PCMCIA



### ABOUT THE AUTHOR:

Tom Gibson is the Director of Information Systems and Manager of Fullfillment at Thaddeus Computing in Fairfield, IA. (In other words, he makes sure you get your copy of *The HP Palmtop Paper*.) Tom lives with his wife Julie and his 2 sons Raymond and Ryan. He has a BS Degree in Accounting from Robert Morris College in Pittsburgh, PA and is an avid golfer playing to an 8 handicap when his career permits.

software drivers (SEFHP.EXE for the EtherFlash card and SPEHP .EXE for the Ethernet card), a quick installation guide, and the users manual. Once you have installed the necessary software and configured your Palmtop for the Ethernet card, as described in the sidebar on the following page, you're ready to connect up to your LAN.

The installation process creates a batch file named STARTNET.BAT that automatically loads the appropriate software, accesses the LAN's file server, and presents you with the log-in prompt. When I want to connect to our Local Area Network, I do the following:

1. Remove the Flash memory card from my Palmtop's card slot and insert the Ethernet adapter into the Palmtop's card slot.

2. Reboot my HP Palmtop by pressing **Ctrl-ALT-DEL**. This causes my Palmtop to restart and configure itself according to the commands in the AUTOEXEC.BAT and CONFIG.SYS files on my Palmtop's C drive.

3. Connect the card to the LAN using the cable that comes with the system.

4. Go to the DOS C:\ prompt on my Palmtop, type **starnet** and press **ENTER**.

From the log-in prompt I enter my name, my System password, and I'm up and running on the System ready to exchange files and run network DOS software, provided that software is compatible with the HP Palmtop.

### Uses for an HP Palmtop as a LAN node

**RUNNING DOS APPLICATIONS**  
It seems a little strange at first to see the network files and programs on this tiny screen, but it works. I

was able to log onto SYSCOM, the systems administrator utility that is used to manage the network.



Systems Administrator screen displayed on the HP 100LX

I was able to run other applications from the Palmtop as long as they would run in the limited amount of base memory available on the Palmtop. I was able to run WordPerfect 5.1 for DOS, Magellan, and even our accounts receivable package.



HP 100LX connected to our LAN runs the DOS version of Magellan

### TESTING NETWORK NODES

We recently enlarged our location, moving some of our offices upstairs in the building next door, and rearranging office locations in our previous building. This can be a real nightmare for a network supervisor! There are many things that have to be thought out including the running of new cables to the new offices and to the new locations within the old offices.

We contracted with a company to run the new lines for us, but they were not network specialists, so I was responsible for making sure that the connections were valid and operable. I found this to be very easy using Silicom's PCMCIA Ethernet adapter. All I had to do

was go to the location I wanted to test, connect the cable from the wall socket to the adapter in my 100LX, reboot so my Palmtop would recognize the adapter, and run the "STARTNET.BAT" batch file.

If I got a "CONNECTED TO SERVER THADDEUS" message and then the F:\LOGIN> prompt, I knew that the connection was valid.



Network F:\LOGIN> prompt displayed at bottom of HP 100LX screen

If there was a computer at that location that was having problems connecting to the network, the chances were that the problem was with the LAN card in the computer. This was very nice for me, because the LAN cards in the desktops sometimes go flakey, especially when the computers are being moved all over the place. It was much easier using my Palmtop for this than lugging around a desktop PC to try to attach to the network.

### BACKING UP MY PALMTOP

I've also used the Ethernet adapter card in my Palmtop to backup Palmtop files to the network server. I can move, copy, rename etc. files from my Palmtop to the file server and vice versa. I was limited in the amount of data I could send to my Palmtop because was I using a 1MB 100LX. This is one area where the extra space available on the C drive of a 2MB has a big advantage.

Product Index: page 47

## User Profile: A Week in the Life of a CPA

*This CPA on the go uses the HP 200LX to balance his books —as well as his life!*

By Ray Kump

I am a Certified Public Accountant in my own practice and have used computers to help me do my work since I graduated from college and earned my certificate.

I first became interested in the HP Palmtop when I saw a review of the HP 95LX in PC World. I thought having Lotus 1-2-3 and Solver on the same machine would be the absolute tool for me. With the improvements of the 100LX and a flashcard for mass storage — the computer revolution that took over our desks was now in the palm of my hand.

### Preparing for the week on Sunday Evening

My typical week actually starts on Sunday evening when I review the upcoming week. I start by reviewing my Project database (PROJ.GDB), one that I created using the 200LX's built-in Database application. It contains all open tax returns and projects — e.g., financial statements, estate work and planning, financial planning and pension work — that I am working on, except for individual returns I'm working on during tax season. (I keep them in a separate database file.)

The Data Item screen for my Project database is shown on this page. The data fields in this database are as follows:

**Done** — The box checked when the project is completed.

**Week** — The week the project must be completed (e.g. 1= this week; 2= next week; 3= in three weeks, etc.; 9 = I'm not sure, sort this project to the end of the list.

**Missing Info** — The box I check if I need more information to complete this project.

**Staff** — Initials of the member of my staff that this project is assigned to.

**Cl #** — I assign client numbers to each client.

**Client** — The name of the client.

**Priority** — 1 is highest priority, 5 lowest.

**Task** — The task to be completed (e.g., "1120 FYE 9-94" means IRS form number 1120 Fiscal Year End September, 1994.)

**Type** — The type of task it is.

**Time Est** — The amount of time (in hours) that I think the project will take.

Database: PROJ.GDB      Data Item      05/16/95 11:07 am

Done      Week        Missing Info      Staff

Cl #       Client       Priority

Task

Type       Time Est

Due Date       Done Date

Note

Help   Add   Note   Find   Clip   Prev   Next   Cancel   Done

Data Item screen for Project Database



#### ABOUT THE AUTHOR:

Raymond J. Kump, C.P.A. graduated from Hofstra University with a BBA in public accounting, and joined the firm of Coopers & Lybrand at their New York City office. In 1983 he started his own practice, Kump Associates C.P.A., P.C., 111 Smithtown Bypass, Suite 207, Hauppauge, NY. 11788. He and his wife Marianna and their two sons are all Palmtop users. You can reach him at 516-360-3215 or on CompuServe at [71773,1274].

**Due Date** — Date by which a project must be completed.

**Done Date** — Actual completion date.

**Notes** — Misc. notes on the project.

I use the Note field of my Project database to document phone calls regarding projects, dates I requested certain information I need, if data is missing, or other items of interest for planning purposes. It is not a field I use often as most of the projects are self explanatory, such as tax returns, ledger work, financial statements, estate work, etc.

I also keep a NoteTaker file of client notes, phone calls, and related matters so that I have a record of important items. This way the information is always available even after the project is done. Actual material to be placed in the client's file for permanent records is usually on paper — I use this NoteTaker file as my memory jogger.

A CPA firm is run by tax deadlines, and the Week field is an attempt to anticipate work deadlines and avoid urgent last minute crunches. Sometimes it works and sometimes it doesn't. Of course you get those panic phone calls which require a complete juggling of your schedule, but that's life. Ideally I will have more time available in the coming week than projects needing completion. In order to avoid everything being done on an "urgent" basis at the last minute, I have been trying to finish a project before it has to be done. This is not very feasible during tax season. I can file extensions for tax deadlines that can push off the due date six months, which is why I use the Week field rather than the due date for project scheduling. Of course the due date still needs to be watched so that tax deadlines are not missed.

I review the Project database subset which shows my work only. It shows projects with "rjk" in the Staff box and sorts the projects by week order, and then by priority. I can see if the work load for the next month is realistic. If not I will change my plans, delegate more work, plan on working overtime, or some combination of the three.

When I'm ready to schedule a day for any particular ToDo, I use the "Link" feature added to the HP 200LX by Buddy 2.0. This Buddy feature lets me specify a "clip" that will copy pre-specified data fields to the clipboard. I highlight the desired item in my Project database and press **[Fn]-[T]**. BUDDY copies the information to the clipboard, opens Appointment Book, switches to the ToDo screen, enters the clipped information as a ToDo, moves the cursor to the Date field, and calls up the calendar so that I can enter the

date of the ToDo. For example, I plan on doing the Johnson Novelties corporate tax return 1120S for FYE (Fiscal Year End) 12-94, on Monday, so I move the cursor to that entry and press **[Fn]-[T]**. After BUDDY places "Johnson Novelties 1120S FYE 12-94" in the Description field in the ToDo list, it moves to the Date field and calls up the calendar. I move the cursor to Monday and hit enter. I enter ToDos for this week only. ToDos for the following week are entered next Sunday evening.

As I plan my week I keep in mind the time I have allocated for field visits, office time, correspondence, and telephone calls. I repeat the **[Fn]-[T]** procedure for each project due this week. If there is room in the current week I will include some of the projects that are coded for week "2".

By sitting down once a week and reviewing my projects, I find I keep on track. The HP 200LX is always

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there so I constantly add to the ToDo list and the Project database. I am also able to rearrange my schedule and still not lose track of work in process. Once I focus on the week's goals I can begin to deal with its inevitable changes.

## A Week in the Life of a CPA

### MONDAY AM: Out the Starting Gate

I wake up in the morning and make the coffee. (This has not yet been automated by the 200LX. Hopefully a future model will correct this oversight.)

I spend most of my time outside the office visiting with business clients so it helps to know where I'm going. The first thing I do is review my appointments and ToDos for the day. I also review my New Business Database (NEW-BUSN.GDB) — another one I created using the Palmtop's built-in Database — and see if any items require attention today.



New Business Database Data Item screen

I use this New Business database to keep track of new clients or additional services needed for existing clients — financial planning, retirement planning, setting up pension plans, etc. If a client expresses casual interest in a pension plan, or I feel it would be good to talk to the client about a pension plan based on what I've seen on his or her tax return, I enter it in the New Business database. This way I don't forget new business opportunities and I can follow up at a more appropriate time. It may be literally years before a client decides on hiring me or putting in a pension plan. This way I have a record of what was discussed and

what the client really wants.

The New Business database has the following data fields:

**Next Date field** — The date to take the next action on this entry. The database sorts on this field.

**Action Type** — This is a category field. It tells me what type of activity is required on our next contact. Here are the category types I use. FU — Follow-up; KIT — Keep in touch; MW — Meeting with; TC — Telephone call; RTC — Return telephone call; TCFP — Telephone call financial planning; Corr — Correspondence

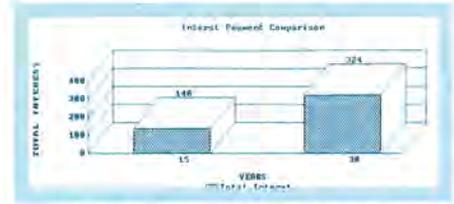
The New Business Database also includes data fields for name, address, phone number, description of the individual's business, etc. I document each contact I have with an individual in the Note field — dating and timing each entry by pressing **[Fn]-[ ]** (Date) and **[Fn]-[ ]** (Time).

After I have previewed the day's appointments and ToDos, I read my E-mail and CompuServe Forum activity. I use a Zoom 14.4 Pocket modem and acCIS, navigation software for CompuServe. One of the most important features of acCIS is that it lets me download and review messages and Forum activity off-line, saving me needless connect charges.

### SAVING A CLIENT MONEY ON A 15-YEAR MORTGAGE

While doing the normal routine accounting work, a client asks me about the difference in payments on different mortgages. The client intends to stay in this house indefinitely, so I ask if he has considered a 15 year mortgage. He hasn't given it much thought because of the higher monthly payment it would require. I switch to Lotus on my Palmtop, load my Mortgage Interest Comparison spreadsheet (MRTG-INT.WK1) and compare the difference in actual interest dollars paid over the life of a 15 year and a 30 year mortgage. I

press **[F10]** and instantly have the information displayed as a graph.



Mortgage Interest Payment Comparison shown as a graph

This makes it easier to see that the total amount of money spent on a 30-year loan is more than twice that spent on a 15-year loan. The graph makes the point more effectively than just numbers and is a very effective way to present financial information.

YRS	Loan	INT	PMTS	INCRM PMT	TOTAL INT
15	150,000	10.00	1,612	8	148
30	150,000	10.00	1,248	164	324

Mortgage Interest Comparison screen showing comparisons by year

I only have to enter the amount of the loan in cell B7, and the interest rate in cell C7. All other lines are calculated based upon this first line entry. The columns in the spreadsheet represent the following: **Years** = the length of the loan term; **Loan** = the principle amount of the mortgage; **Int** = the interest rate of the loan; **Pmts** = the monthly payment amount for the mortgage portion only (excludes payment amounts for real estate taxes and insurance); **Incrm Pmt** = the difference of the total payment amount compared to a 30 year mortgage; **Total Int** = the total interest paid over the life of the mortgage (field shown in graph).

Now the client wants to know how the different mortgage payments would impact his personal tax return. I call up my Individual Tax Planner spreadsheet. We review the projections and I have an answer for him. Providing answers when my client asks them is the real power of the Palmtop computer.

After I finish my work with this client I record the time spent and a description of the work done, on TimeSlips, the program I use for time and billing. I installed TimeSlips (Ver.3.4) by copying the main files from a desktop to my Palmtop. TimeSlips has a smaller remote package that can interface with a desktop version. I plan on getting the remote packages for my Palmtop and my staff to facilitate the billing process.

### UNRAVELING THE MYSTERIES OF ESTATE PLANNING

The next client I visit has a very involved sales and cash receipt journal. I use a Lotus spreadsheet to automate the calculations between the various entry categories, summarize the journal entries, and prepare a worksheet for the sales tax return. I print the template to my portable printer and file it in the Sales Tax file. The sales tax return gets prepared

quarterly from the print out in the client file.

This client asks me about the tax implications of sharing some of a large inheritance he received with his children. After reviewing the size of his new estate I realize we need to do some estate planning. I call up my Estate Tax Planner spreadsheet and review the estate tax he would owe now. This template lists the various categories of assets and liabilities in a way similar to the actual IRS estate tax Form 706. The template calculates both the federal and state estate tax due. It is relatively straight forward and contains four columns to do comparisons amongst the various planning options.

The bulk of my work is in determining what his taxable estate is. Once the taxable estate is determined, the template eliminates all the tedious calculations and allows me to focus on the tax implications

and strategies, and not the number crunching.

We review some options and I show him the tax he would owe if we implemented the changes. Based upon this, the client asks that I prepare a plan to lower his estate taxes. I switch to the Project database and enter this as a project, do a quick check of the current and next 2 week items, and give him a target date. My client asks if he were to raise his salary, how much would be eaten up by taxes. I have a program, JTAX-PLUS (1995 version), which calculates gross to net payroll, so I call it up for another quick answer.

After I finish my work I record my time, and head back to the office. I return the days calls and update my Appointment Book and ToDo list. Before I call it quits for the day, I review the ToDo list for today and tomorrow, the next day's appoint-

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ments, and fine tune the schedule.

As I am packing up to go home, I backup the information from my Palmtop to the desktop using a DC95/DCS95 program found on the HP 95LX Connectivity Pack software and the Kcopy utility described on page 20 of the Sept/Oct 1993 issue of The HP Palmtop Paper. Then I download the day's Forum activity from CompuServe to my Palmtop for review at home.

## TUESDAY: A Gift Tax

### Estimate Over the Phone

The following day is spent in the office. I receive a phone call from a lawyer who needs gift tax returns prepared for a new client, where substantial prior year gifts have been made. If the taxpayer has made gifts in prior years there are special calculations to determine the amount of gift tax to be paid currently. The lawyer wants to know, based upon preliminary numbers, what kind of actual out-of-pocket dollars his client can expect to pay. Based upon his rough estimates I call up my Lotus Gift Tax template and give him an answer. He asks me to prepare the appropriate returns and says he will fax me the information I need to complete them. I add this new client to my Client database on my desktop PC. I use Symantec's Q&A program (Ver. 3.3) on my desktop PC to keep a database of all my clients. Q&A is a flat file manager like the Palmtop's Database -- adding fields to it and printing reports from it is very easy.

I have Q&A on my Palmtop as well, but PhoneBook is the fastest way for me to retrieve the data. About once a week I transfer the contents from the desktop to my Palmtop PhoneBook (via an ASCII file and GDBIO .

I add the lawyer's project to my Project database and print the gift tax projection to my laser printer

through a serial/parallel converter and an automatic switch box, and put it into a new client folder. I add a reminder to my ToDo list for the following Tuesday to make sure we have received the supporting paperwork from the lawyer.

The rest of today is spent mostly doing personal returns. As I am preparing, reviewing, and releasing tax returns for printing, I am updating my Q&A Individual Return database. I update any of the following fields as necessary:

- Interview date
- Sent to keypunch date
- Key punched date
- Reviewed date
- Printed date
- Given to client date
- Disk # of client data

While preparing returns, I note any address changes and update the database on the spot quickly and effortlessly on the HP 200LX. This is the same database from which I download the Individual PhoneBook data.

I check my Open Return list to make sure I don't miss any returns that are ready for review. I have macros set up to quickly bring up a list of: all clients interviewed and not sent to keypunch; keypunched returns not reviewed; and reviewed returns not printed.

I can print the Q&A Open Returns database reports to show:

- Clients interviewed and not prepared for keypunch
- Prepared for keypunch and not keypunched
- Keypunched and not reviewed
- Reviewed and not printed
- Printed and not returned to client
- Reports missing information

While reviewing the returns, I take note of any clients that may need help with college planning for their

children, different strategies to lower their taxes, or ways to reduce their estate taxes. I enter these in the New Business database for follow up after tax season.

Next I need to review tax exempt status regulations for an upcoming appointment. I call the information up on my CCH (Commerce Clearing House) tax law CD-ROM. I realize I will not be able to digest all this now, so I download the appropriate code, regulations, and analysis to my 200LX for later review. While viewing the file I will make notes in a NoteTaker file about particular points to bring up with the client. I use the BUDDY bookmark feature to keep track of where I am in the file as I cut and paste information to the NoteTaker file for future reference.

## WEDNESDAY: Sorting Out a Real Estate "Opportunity."

Today is spent in the field with a client. As I'm doing routine work, he asks about an investment opportunity in real estate. Someone offered him a building and he is wondering if the price is right. As we review the offer and the projected expenses, I prepare a quick on the spot Lotus template summarizing the projections, and using various vacancy rates. I use HPCalc's TVM function to calculate the monthly mortgage, and use some Solver equations I wrote for real estate values in relation to rent receipts and net cash flow. (I wrote the Solver equations to use some ideas I found in the book Ratios in Investment Real Estate, by Edric Cane, Ph.D.) (See CPA.ZIP .

Using the TVM function and a very conservative growth rate net of inflation (e.g. a growth rate of 5% with an inflation rate of 3%, yields a growth rate net of inflation of 2%) we calculate what the projected value of the building and the rent receipts would be in 15 years. Based on this data the client is able to determine what he feels is a fair counter

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offer to make, and which is ultimately accepted. The important thing here is that the client makes the decision. They rely on us as accountants to provide them with the analysis to be able to make an *informed* decision.

The client now asks me about a new machine he purchased and financed with a loan. I call up an amortization program on my Palmtop, Easy Amortization, and enter the details. His loan payment is not fixed, but varies over the life of the loan, something Easy Amortization takes into account. I print the schedule and am able to finish my work at the client's location, rather than having to continue back in the office using the desktop. Remember the desktop?

**THURSDAY, FRIDAY, & SATURDAY:  
Ending Up the Week**

Thursday, Friday, and Saturday are

spent mostly in the office working on individual and corporate returns. However, I have an appointment on Friday with someone starting a new business. As we review the various questions he has about starting a business, I ask him how much he needs to sell in order to break even — in other words, what it takes for his sales to cover his expenses.

He has a vague idea, but can't be specific. I explain to him that a good business plan is an involved and very important process, but we can do a quick analysis right there, to get a rough idea of what it will take. I enter his variable expenses and his fixed and overhead cost information into another Lotus template I wrote (BREAKEVE.WK1). The outcome shows that the price he is considering is too low for the amount that he will be able to produce and sell. He is grateful to have this information before he started the work. Based upon this information, he revises his sales price and his marketing plan to insure the sale of more units. Of course, implementing the marketing plan is always easier said than done, but at least he knows what he has to do.

Category	Value
Fixed Costs	0
General office expense	55,000
Rentals	250
Depreciation	3250
Interest	0
Salaries (indirect)	18000
Advertising/promotion	280000
Fixed sales expense	2000
Other	2500
<b>Total fixed costs</b>	<b>4226,000</b>

Business Break Even template  
Fixed Cost screen

At home after dinner I read the mail from CompuServe's HP Handhelds and Toshiba Forums while watching TV. I will try out what I've learned and downloaded from the Forums, and experiment with some of the programs.

My wife, Marianna works with me at the office and used to wonder why the HP 200LX was always at my side. Now that she has one. She uses her machine to record the time she



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spends on clients, and has found the PIM functions to be invaluable in keeping track of the work that needs to be done. She also uses the same spreadsheets and Solver equation that I do, for client analysis. At the beginning of the week I copy the projects she is responsible for, from my Project database to a file which we transfer to her HP Palmtop via the infrared port. We also exchange our personal phone books and appointment books to keep each other up to date.

The power of the HP 200LX for me is that it lets me run projections on the spot efficiently. By developing and storing templates, Solver equations, and databases on the HP 200LX, I am building my knowledge base and my tools daily. And I have the ability to stay on top of projects, deadlines, and promises. The HP Palmtop is a great tool. It lets me manage my business like never before.

This article was written on my Palmtop. If I had had to sit at a desk and write this article, it would never have happened.

**Product Index: page 47  
Share/Freeware Index: page 48**

# Blaze Through Home Study Course With NoteTaker

*This basic introduction to NoteTaker shows how one person used his Palmtop to finish his correspondence work in half the normal time.*

By Rich Hall

By day I am the managing editor of *The HP Palmtop Paper*. On evenings and Sundays I am a priest in the Liberal Catholic Church (LCC). In fact, I was ordained a priest May 14, 1995, as Technical Editor Robert Roney and Associate Editor Paul Merrill were feverishly sweating away, putting the finishing touches on this issue.

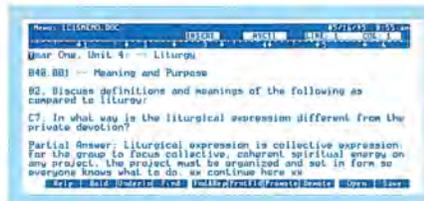
In preparation for the priesthood, I recently completed a four-year home study correspondence course on religion and the LCC. I was able to complete the course in about one-and-a-half years using my HP 100LX Palmtop PC. I kept the course questions with me in Memo and NoteTaker and leveraged free time to blaze through the course. Here's how I did it.

## Keeping questions with me all the time, in Memo

The course was divided into four years with six or seven units per year each covering a different topic area. Each unit had an average of five questions (some units had as few as one question, or as many as 37). For example, unit 4 of year 1 discussed the development of the

LCC Liturgy. Question 7 discussed the differences between liturgical expression and private devotion.

For the first year, I opened a Memo document (YEAR1.DOC) and entered all the questions sequentially, organized by units, titles and question numbers. At the beginning of each unit I would put references for the required and optional readings (course pamphlets, books, and other reference material). The screen for the beginning of a unit looked something like the one shown here:



Year one questions displayed in Memo

I kept a pamphlet, book, or other reference material with me. When I had some spare time during the day,

I'd pull out the Palmtop and press Memo. I usually kept YEAR1.DOC open in Memo, the cursor resting on the question I was working on. I'd review where I was, and start answering the question (or read from the reference material as needed).

I tended to look at the questions first, and then read the reference material with the question in mind, taking notes on the Palmtop in Memo. I would eventually get to a point where I felt I could answer the question completely, or partially. I would then answer the question, cutting and pasting material from the notes. When I was finished with the question, I would delete any left-over notes and go on to the next question.

If the home study document was not open in Memo, I used an Fn-key System Macro that would open Memo, load the home study document, and do an F4 (Find) on "xx" to



### ABOUT THE AUTHOR:

Rich has been Managing Editor of *The HP Palmtop Paper* since its first issue in 1991. He has an undergraduate interdisciplinary degree in Mathematics and Literature, and a Master's degree in Education. He and his wife Lucinda have two children, Robert, age 9, and Ella, age 6. Rich and Lucinda are active members of their church and community theater in Fairfield, Iowa, their home since 1979.

take me to where I left off. I leave the "xx" characters in the document next to the question I'm working on so I can use the Find feature to quickly go to the question. I'll also leave "xx" in the middle of partially answered questions, with notes reminding me what I have to do to complete the question. For example, I had the following note embedded in an unfinished question: "xx read pamphlet 140.001 for information on St. Thomas Aquinas xx". When I had completed an entire year I'd do an "xx" search to find any holes I'd left in the document.

### NoteTaker refines the process

As handy as this method was, the year one and two documents became very large. Moving around in them using page up and down, or finding my place with F4 searches seemed to take forever. For the third year of the course I switched over to NoteTaker and entered each question as an individual note.

In the Title field I entered the

NoteTaker:LCISVR3.NDB		All Notes(1/43)	05/16/95 8:57 am
Title	Category	Note	
+00 Readings Year 3	*****	30 QUESTIONS IN YEAR 3	
+3/04/041.001	*****	Unit: 4 -- Early Liturgy Paper	
+3/04/Q 1	*ANS*	1. In the liturgical reforms of	
+3/04/Q 1	COMPLETED	1. In the liturgical reforms of	
+3/04/Q 2B		PARTIAL, COMPARE TO LCC MASS	
+3/04/Q 3	PARTIAL	PARTIAL 3, BACK TO PAMPHLET	
+3/08/080.001-I	*****	Unit: 8 -- Practice Paper: 08	
+3/08/CH1	COMPLETED	CH I: 1. Why do we need sermons	
+3/08/CH2	COMPLETED	CH II: 6. Discuss the importanc	
+3/08/CH3		CH 3:9/10. What is in particula	
+3/08/CH3&4		CH 3&4: 12. Is it possible to t	
+3/08/CH3&5	COMPLETED	CH 3&5: 13. Discuss structure a	

ToDo Database, All Items list view, no Datacard displayed

year, unit, and question number (i.e. 3/04/1 for year three, unit 4, question 1; 3/14/III 1 for year three, unit 14, III 1 of subsection III question 1).

In the Category field I entered the status of the question. I entered **COMPLETED** if the question was done; I left it empty if I hadn't worked on it yet; **PARTIAL** if I had partially answered it; and **ANS** if I had looked the question over and knew I could answer it without any further reading or research. Entries with **\*\*\*\*\*** in the Category field indicate general notes, reading lists, etc. The main NoteTaker screen for year three looked as

shown at the top of this page.

When I wanted to work on a question, I would highlight it in the All Notes screen and press **[F3]** to display the Full Screen Note.

The Note field contained the question, the reading reference, notes and ideas on the answer, and finally the answer. You can store up to 32K of information in the Note field, plenty of space for a detailed answer.

### Subset feature displays finished or completed questions

As I mentioned above, when I finished a question I would mark the



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Category field as COMPLETED, PARTIAL, ANS, or leave it blank. I used NoteTaker's Subset feature to see how many questions I had finished, or to display questions I needed to work on. For example, to create a subset that would only display questions with the COMPLETED status marked in the category field, I followed these steps:

1. From NoteTaker's All Notes screen I pressed [F6] (Subset) [F2] (Define) to get the Define Subset Screen pictured below:



Define Subset dialog box

2. I tabbed to the Category field, pressed the down-arrow and highlighted COMPLETED and pressed [ENTER].

3. I pressed [F10] (OK), gave the subset the name **Finished** and pressed [F10] again.

4. When I highlight **Finished** and press [ENTER] or [F10] and the main screen only displays questions marked completed.

To create the Subset that displays unfinished questions, I would follow the above steps, substituting -COMPLETED (minus sign in front of COMPLETED) in step 2 above, and give the Subset the name Unfinished in step 3.

To get a quick idea of how I was doing on a particular year, I'd note down the number of questions for that particular year, displayed in the All Notes field (37 for year three,

displayed in brackets at the top of the screen to the left of the words **All Notes**). I'd then press [F6] (Subset), select **Unfinished** to display the unfinished questions (9, again displayed at the top of the screen). I'd pop over to HP Calc and divide 9 by 37 to get .24, indicating that 24% of the questions remained unanswered, 76% were completed.

### The system works well on a desktop with the HP Connectivity Pack

The big advantage of using the HP Palmtop was that it was there with me all the time, allowing me to catch previously wasted moments of spare time. It's amazing to discover how many wasted 5-minute periods there are in one day. But spare moments were not enough for this project. I had to schedule larger blocks of time for writing, reading and research.

I used my desktop PC for these scheduled periods of time. Fortunately I have a PCMCIA card reader and the HP Connectivity Pack on my desktop system. I stored my home-study related NoteTaker files on my Palmtop's A drive Flashcard. When I wanted to work on my desktop, I'd turn off my Palmtop, pull the card out and insert it into the drive on my desktop PC. I would start the Connectivity Pack software running on my desktop, start the desktop version of NoteTaker, press [ALT] File Open and load the NoteTaker file from the Flashcard in my card drive.

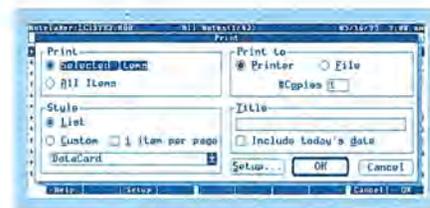
With NoteTaker up and running on my desktop, I was able capitalize on the desktop's full-sized keyboard and larger, easier-to-read screen to improve my productivity. In addition, the Connectivity Pack versions of the built-in software run much

faster on my 50MHz 486 desktop.

### Spell check and format on the desktop

When I finished each year's course of study, I had to send it in to my mentor for his feedback and approval. This meant that I had to create a hard copy of the work and edit, spell check and format it. As good as the HP Palmtop is, a desktop word processor is better for these tasks.

When I completed each year I would first back up the NoteTaker .NDB file and then save all the year's questions and answers to a text file using NoteTaker's print to file capability. From the main NoteTaker screen I would press [MENU] File Print to get the following Print dialog box.



NoteTaker print dialog box

In the "Print" sub-box I would select **All Items**. In "Style" I would select **Custom** and then **All Fields** in the pull-down menu. In the "Print to" box I would select **File** and finally press [F10] (OK). NoteTaker prompted me to enter a file name. I did so and pressed [F10] again. This procedure printed the entire NoteTaker file to a text file, which I could load into my desktop word processing program for spell checking, editing and formatting.

### Other uses for this approach

This system could be applied to any home study or correspondence

course successfully. Keeping the course and questions with you all the time helps you capture answers and inspirations when they come.

You could also write a novel or non-fiction book with this approach. Each chapter is an individual NoteTaker item. Category field for status of the chapter. Note field for outline of the chapter, notes on references needed for the chapter, outline and rough drafts of the chapter. Remember, the Note field can hold 32K bytes of text (about 10 type-written pages). You may have to use more than one entry for large chapters.

This general approach could also be used for project management. Divide any project into discreet, clearly-defined steps and enter each step into NoteTaker. Number the

steps 1, 2, 3, etc. so they appear in the right order in the All Items view. Use the categories for the status of each step (COMPLETED, IN PROGRESS, TO ASSIGN). You might also put the initials of the people responsible for that step or targeted completion date in the Category field. Use the Note field for a description of the individual step, resources needed to complete it, people involved in it, and a final report on the completion of that step.

### It was there!

I've heard people say that the HP Palmtop is great for taking short notes, but is poorly suited for working on longer documents. I did use a desktop for the final edit of my course, but the first draft of at least

70% of my 160-plus page home study course was completed on the HP Palmtop.

The bottom line is that the HP Palmtop was there when I needed it. It was there at lunch when I finished early and had a few moments to spare. It was there at the dentist's office when I was waiting for my appointment. It was there during *Star Trek: The Next Generation* intermissions. It was there in my pocket during the day when answers to questions popped into my head.

It was there, ready, willing, and able whenever I needed it.



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Thus, after you follow their instructions to setup cc:Mail on the Palmtop, sending mail to the Internet is just a question of filling out the To:, cc:, bcc: and Subject: fields, writing your message, and hitting [F5] to send. When you're near a phone you just plug in your modem and hit [F10] to connect. cc:Mail then calls palmtop.com, uploads your message(s), downloads any E-mails that may be there for you and disconnects you again. Very smooth and fast, and the real beauty is: You have all you need on your HP already! The monthly fee is \$9, and you can get more info from: *palmtop.com*; 934 Del Rio Court Milpitas, CA 95035; Tel: 408-450-3467; E-mail: *info@palmtop.com*

PS: Neither I, nor my employer, has anything to do with palmtop.com, I just tried it, and liked what I saw.

Jesper E. Siig  
Internet ID:

*Jesper.Siig@DMO.MTS.DEC.Com*

### Genealogy & Biography Software

In reference to your article, Using the HP Palmtop as a Reference Tool (Pg. 21, Vol.4, No.2, 1995), I use Family Tree Maker Ver.3.0 genealogy software. I also use a Windows version of the program. An important feature of the program is a utility to convert your genealogy database to GEDCOM file format so that it can be read by other genealogy programs.

Another program by Banner Blue that I have loaded in my Palmtop is Biography Maker. The program guides you through a series of questions you ask based upon events and interests of the person you are writing about. The answers can then

be entered directly into a text file and edited by any word processor.

*Dave Hearne*

*CompuServe ID: [75414,33]*

### Language Assistant on the HP Palmtop

I have a question concerning your recent article in the HP Palmtop Paper, "The HP Palmtop as a Reference Tool" (Pg.14, Vol.4, No.2, 1995). Regarding the Language Assistant 5 program, you give instructions on page 15 to install SPAN-TOOL.EXE as a stand alone program on the Palmtop. As a life-long student of French, I was excited about this, especially since I have French5, otherwise not installed on any other computer. I followed your Application Manager path exactly, replacing SPAN-TOOL with FRENTOOL .EXE. I keep getting an error message: "couldn't load string resources." What does this mean? I did not install the other files of the program for space reasons; do I need other related files? Is it a memory issue? Please help—this looks like a good idea.

By the way, I am a great fan of your magazine—this issue is superb as is this particular article, my problem not withstanding. Keep up the great work and thank you.

*Barry D. Rock*

*CompuServe ID: [70410,1553]*

*[Unfortunately, you need more than FRENTOOL.EXE to run the program. All the dictionary information is contained in MICROTAC.LEX. My SPAN-TOOL.EXE is 242K. The Spanish MICROTAC.LEX is 1.6MB. I was able to run the program using the switches I wrote about in the article with just those two files — Hal.]*

### Palmtop is His Newspaper

I save \$225 per year by canceling my subscription to the local newspaper, partly as a protest over poor coverage of national and international news, but mostly because of the last two paper carriers on my rural route! I replaced the paper paper with my Palmtop electronic newspaper, courtesy of acCIS scripts and Gilles' Vertical Reader. It doesn't cost money in my area, so I get my newspaper for free, and it fits in my briefcase better.

Also, a note on CompuServe's connect charges — nearly all the U.S. telephone long distance companies now bill in six second increments, with a six second minimum. (Sometimes you have to specify this.) However, CompuServe is still rounding up to the next whole minute, with a one minute minimum. This didn't matter before off-line readers had been invented, but it sure does now. Everyone should protest to CompuServe via E-mail!

*John Combs*

*CompuServe ID: [72376,3553]*

*[I am told by a supervisor of a local telephone company that whole minute billing adds about 20% over six second billing prices — Paul.]*

### What Happened to External Keyboards?

For the HP 200LX Palmtop, two possibilities haunt me — easy keyboard data entry and scanning.

A year ago, I learned that Key Tronic Corporation offered its DOS (and Windows) compatible Dock 101, a keyboard with full sized keys, serial port connector, and a viewing platform on which to place the 95LX for which it was developed (it

was not offered for the 100/200LX). This seemed ideal for those working solely with a Palmtop with no connection to a desktop PC. However, I recently learned that the Dock 101 has been discontinued. Is any other external keyboard now available for use with the 100/200LX?

Also — scanning text into the 200LX, both at remote locations with a simple hand-held scanner and at a fixed location with a flatbed scanner would be fabulous. What devices and software are available to make this a reality?

Thanks for your excellent magazine; the devotion of your contributors is evident in every page.

*Donald Garvelmann  
New York, NY.*

*[The Dock 101 is discontinued but at the time of this writing (April 15, 95) Key Tronic still had over 900 in stock. According to Key Tronic, at the rate they are currently selling, that supply should last at least six months. The 101 comes with both a 95LX and a DOS driver. So if you connect to a 100/200LX you will have to run it from DOS.]*

*This might be useful if you are using a DOS word processing program or PIM. But it will not work with the built-in applications like MEMO and APPT. We don't know of any other Palmtop compatible external keyboards. If at some point you do have access to a desktop, you can run a program like RemKey [F] to access the keyboard of your desktop. If anyone has information about another Palmtop compatible external keyboard, please let us know.*

*Also, let us know if you have information on a DOS based scanner. We're not aware of one — Paul.]*

Share/Freeware Index: page 48

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**AWK** High level programming language.  
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**PROHLP** Tool to help programmers.  
**PYGMY** Small Forth language compiler.

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**ADDBIO** Convert Appt file to/from comma-delim format.  
**ALARM** Musical alarm sounds for 100/200LX.  
**APLOAD** Makes 100/200LX AppManager flexible.  
**ASERCL** Adds serial port control for the 100/200LX.  
**BAT100** Reports status of 100/200LX batteries.  
**BATSET** Resets the charge time on the 100LX.  
**CLIPVU** Makes clipboard work with DOS programs.  
**CLSFLR** CloseFiler recovers memory on 100/200LX.  
**DBIO** Graphic interface for DBUTIL and ADDBIO.  
**DBUTIL** Import/export to the DataBase program.  
**DIET12** Diet 1.20 file compression utility.  
**DIET145F** Diet 1.45f file compression utility.  
**FASTDB** Speeds up Phone, Appt, and DataBase.  
**FATR** Changes file attributes.  
**FCL** Lets you modify 100/200LX fonts.  
**GARLIC** Fix corrupt Phone/App/Database files.  
**GDBIO** Import/export 100/200LX Database/Phone files.  
**HELV** Alternate 100/200LX screen fonts.  
**HLVSRG** Contains alternate 100/200LX font.  
**HPMNU** Graphical DOS Menu program.  
**IRPRNT** Print text, clipboard files to HP IR printers.  
**N2GDB** Read DataBase files in NoteTaker.  
**NOMURA** Vertical Reader fonts (bold, tiny & script).  
**PK204G** File compression and archive utility.  
**RECOM** Make Palmtop a TV/VCR remote control.  
**REMKEY** Run your 100/200LX from a desktop PC.  
**SPEL95** Spell checker.  
**STICK** Make ALT/CTRL keys "sticky."  
**TIMOUT** Lets you change auto shutoff time.  
**UNZIP** Lets you decompress .ZIP files.  
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# ••• BASIC TIPS •••

[Tips by Rich Hall, unless otherwise noted. Many are elaborations on tips found in the APPS.INI and NOTES.NDB files in the HP 200LX.]

## AppManager

100/200LX

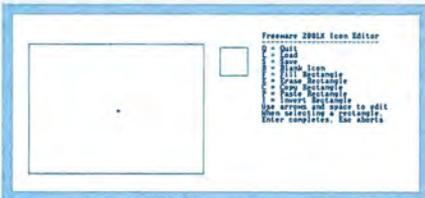
### Change order of AppManager application icons

You can change the order of applications icons in AppManager. Start AppManager and use the arrow keys to highlight the icon you want to move. Then press **F7** (Order) and move that icon to the desired position. You'll notice that as you move an icon to an adjacent position, you exchange positions with the icon originally there. When you are finished moving an icon, press **ENTER**.

100/200LX

### Customizing Icons on the HP 100/200LX

When you install a new program in the Application Manager, you can give it your own icon. There is an icon editing program on the HP 200LX ROM disk called D:\BIN\ICN200LX.EXE (also available for the HP 100LX as ICON.ZIP). Later on you might want to add the icon program to the AppManager, but for now, just point to it in Filer and press **ENTER** to run it. You'll get a screen that looks like this:



Main ICN200LX screen displaying drawing box and command menu

The menu of options are displayed on the right of the screen at all times. The left hand box is where you create your icon. The smaller box between the two will give you an idea of what the icon will really look like.

The program works by drawing rectangles of different sizes and shapes in different locations on the screen to create an image. So, for example, you could create an icon displaying a crude

face by creating a large black rectangle in the center of the screen, with small white rectangles for eyes and a nose, and a long thin rectangle for a mouth. The possibilities are endless.

The ICN200LX commands are as follows:

- Q= Quit the program.
- L= Load an existing .ICN icon file into the program.
- S= Save an .ICN file you just created or modified.
- R= Display a blank icon screen.
- F= Full rectangle: Start drawing a dark rectangle.
- E= Erase a rectangle.
- C= Copy an existing rectangle.
- P= Paste the last rectangle you copied.
- I= Invert: Start drawing a white rectangle.

There is a small cursor in the large left-hand box. Use your arrow keys to move it to where you want to start drawing your rectangle. Press **F** (Full Rectangle) and then use the arrow keys to create a rectangle the desired size and shape. Then press **ENTER** and the rectangle appears.

Repeat the process of creating, erasing, and moving rectangles until the screen is the way you want it. Then press **S** to save the icon and give the icon file you are about to create an 8-letter name (the program will automatically add the file extension .ICN). Save the icon with the same filename as the .EXE or .COM you are installing, but with an extension of ICN.

For example, if you want an icon for a program called Q.EXE residing in the A:\BIN directory, call your icon A:\BIN\Q.ICN. When you add the application in AppManager, your nifty little icon should appear in the list of icons to choose from! Save an icon with the same path and name as the application you are adding to AppManager, but with an .ICN extension.

You can change icons in Databases, Phonebooks, and Notetaker files, too. The antique phone, quill and inkwell, and roll-top desk that appear in the 200LX DataCard can be replaced with a customized icon of your own design.

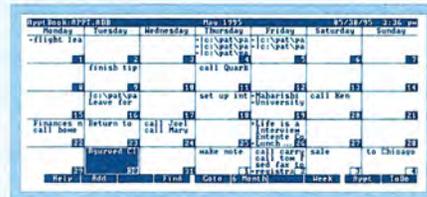
## ApptBook

95LX 100/200LX

### Jump one week ahead or behind in Appointment Book

On any HP Palmtop, you can go to the Month view, move to the desired date and return to the daily view. To go to

the Month view on the 95LX, press **ESC** from APPT. To go to the Month view on the 100/200LX, press **F7** from APPT. From the Month view on the 95LX or 100/200LX press **<DownArrow>** to move forward one week or **<UpArrow>** to move backward one week. Then press **ENTER** to return to the daily view.



Appointment Book monthly view, HP 100/200LX

The HP 100/200LX provides a simpler way to go forwards or backwards exactly one week. From the main Appointments screen, press **<Shift>** **<DownArrow>** to go seven days ahead and **<Shift>** **<UpArrow>** to go seven days behind.

95LX 100/200LX

### Deactivate alarms

There may be times when you don't want the Appointment Book alarms going off (e.g., at the theater, during an important meeting, talking over dinner with a special friend, defusing a bomb). There are some different ways to deactivate the alarms on the HP Palmtop.

1. On either Palmtop go to the appointment and press **DEL** to delete it. If you use the Cut feature of the 100/200LX, make sure you quit Appointment Book completely. If you cut an appointment without quitting Appt, the alarm for the cut appointment will still sound at the appointed time.

2. On both the 95LX and the 100/200LX you can disable individual appointment alarms. Check your appointments — if one comes due during the concert, highlight the appointment and press **ENTER** to go to the individual appointment display. Tab to the Alarm section and disable the alarm. On the 95LX press **<Spacebar>** to toggle between disable and enable. On the 100/200LX uncheck the "Enabled" box.

3. On the 95LX you can close all applications but Filer and press **MENU** System to go to the DOS prompt. No alarms will sound while you are in DOS. As soon as you type **exit** and press **ENTER** to go back to System Manager, any alarms that came due while you were in DOS will sound.

4. On the 100/200LX exit System Manager completely — Go to App-Manager and press **MENU** Application **Terminate All** **F10**. No alarms will sound while you are out of the System Manager. When you want to reenable the alarms, from the DOS prompt type **100** on the 100LX, or **200** on the 200LX and press **ENTER**. Any alarms that came due will immediately sound.

5. Mute all alarms on the 100/200LX — From the main Appointments screen, press **MENU** Options **Beep** and check the Mute box. When the concert is over, uncheck the Mute box to activate the alarms.

100/200LX

### APPT, other programs save data automatically

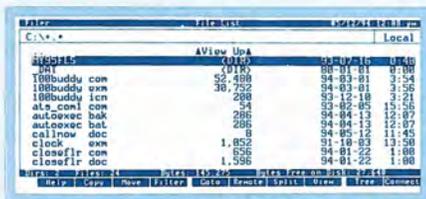
Appointment book, PhoneBook, and NoteTaker, save your data each time you make a change or addition. You don't have to press **F10** or **MENU** File **Save**. In fact, Save keys don't exist in those applications. You must save in Lotus and Memo. However, you can set up memo to auto-save by opening Memo and pressing **MENU** Options **Setup** and checking the Auto-save box.

### Filer

100/200LX

### Status line displays space left on disk

Open FILER on the HP 100/200LX and you'll see the Status Line just above function key labels.



Filer screen status line above F-key labels displays drive information

This line gives you some useful information about the drive that Filer is currently looking at (if your screen is split, it's the drive the highlight bar is under).

The information, from left to right, is:

**Dirs:** The number of subdirectories in the directory that you are currently displaying.

**Files:** The number of files in the directory currently displayed.

**Bytes:** The number of bytes used by the files in the directory you are currently displaying.

**Bytes Free on Disk:** The file storage space remaining in the current disk.

Users of the 100/200LX version of Buddy have the Dirs: information replaced by RAM:, the amount of System RAM available to run programs.

### Misc.

95LX 100/200LX

### Password protect individual files on the HP Palmtops

A tip on page 59 of the Sep/Oct 94 issue showed how to password protect the entire 95LX or 200LX (not the 100LX). You can also password protect some of the individual files on the HP Palmtops.

### Lotus 1-2-3 on the HP 95/100/200LX Palmtops

Lotus 1-2-3 on all three Palmtops has its own password protection for individual files. When saving a Lotus spreadsheet that you want to password protect, enter the filename followed by a blank space and the letter **P**. Then press **ENTER** and Lotus will ask you to enter and then verify a password. From then on, you won't be able to load this spreadsheet without the password. For this reason, it is important to write down your password somewhere or use one you won't forget.

### Individual file protection on the HP 100/200LX

You can password protect individual files from within the built-in applications (PHONE, APPT, MEMO, etc.), on the HP 100/200LX. With the application and the desired file open, press **MENU** File **Password**.

Then enter and verify the password. You cannot open this file again without entering the proper password. These passwords are also case sensitive.

To delete the password protection of a file, open it, press **MENU** File **Password**, and leave the new password empty.

If you use different passwords for different files, keep careful records. Also, with individual password protection the file is actually encrypted. This has two significant side effects: If you forget the password there is no way to recover the file; If the file gets corrupted there is no way to recover the file, even with the password. So, in addition to keeping good track of your password, keep good backup copies of your important files.

Robert Roney  
Editor, HP Palmtop Paper

95LX 100/200LX

### Everything you type is in capital letters?

If everything you type comes out in caps, you've got the Caps Lock on. If you're in MEMO on the HP 100/200LX, you'll see the word "CAPS" in the black data bar at the top of the page, above the tab ruler.

To disable the Caps Lock, press **<Shift>** **F10** (zero, not the letter O).

95LX 100/200LX

### When to Quit an application

Generally, you don't need to quit one application before going to another. It's faster to leave the commonly used applications open when you switch to another application. When you switch back, you'll find yourself right back where you left off. However, there are exceptions:

1. It is best to quit any applications that use the serial port (for example, Datacomm, Filer, and cc:Mail) to save battery life.
2. On the HP 95LX you'll have to quit all built-in applications to exit to DOS and run a DOS program. Conversely, you have to quit the DOS program to go back to the built-in applications.
3. If you have too many built-in applications open, you may run out of available system RAM and not be able to open any more applications. In this case, you may have to quit one or more of the open applications in order to run another program.
4. Generally, if you don't use an application very much, it's probably better to quit it when you're finished using it. This helps avoid running out of system RAM.

Share/Freeware Index: page 48

# QUICK TIPS

## ApptBook

100/200LX

### Add many custom alarms to Palmtop

The Appointment Book application allows only one custom alarm at a time (ALARM.SND). If you want to change the sound of your custom alarm you have to save your original ALARM.SND with a different name, create a new alarm and save it as ALARM.SND.

Gilles Kohl has written a DOS utility program named PAT.EXE (archived in PAT.ZIP) that lets you easily select from a number of different sound files and associate a unique alarm with different appointments. PAT.EXE can also display a message and a .PCX file graphic when the alarm goes off.

To use the PAT alarms you first create a directory on your C drive named PAT and then copy all the PAT files found in PAT.ZIP into the C:\PAT directory. To use a particular alarm with an appointment, press **F2** to add an appointment and type the following line in the Description field:

```
lc:\pat\pat.exe <alarm> <message>
```

The `lc:\pat\pat.exe` portion of the command runs the PAT program when the alarm would normally go off. PAT finds the alarm name you specify in `<alarm>`. So if you want the alarm named "GetUp!" to sound at a particular time and have the message "Time to go!" displayed, you add the following line in the description field of the appointment:

```
lc:\pat\pat.exe getup! Time to go!
```

When the PAT.EXE program runs, it checks the PAT.CFG configuration file and finds that the alarm "GetUp" is associated with the alarm file OUV812.SND. PAT plays OUV812.SND and then displays the message you specified, "Time to go!" PAT also displays a graphic of a finger pointing at the message, which is specified in the GetUP definition in PAT.CFG.



PAT.EXE alarm displaying graphic of finger pointing and message "Time to go!"

You can edit the PAT.CFG file in MEMO to create alarms for different occasions and assign a unique sound file, message, and graphics file to each one. The only limitations are that the message in the Description field must be short. Only 24 characters will display in the pop-up message box. Most importantly, the alarm won't sound if you have another DOS program running. So you have to remember to quit any DOS application when it's not in use.

*Robert Roney  
Technical Editor HP Palmtop Paper*

## Data Comm

100/200LX

### MS Mail on the Palmtop

There is an E-mail program called MS Mail Remote that works on the 100/200LX! I am using MS Mail Remote

for DOS version 3.0 on my C drive with excellent results. I use it and a Megahertz 14.4 PCMCIA modem to communicate with the mail system we use at work. I compressed the main program file with DIET and now the total space occupied for all essential files is about 240K.

Essential MS Mail Remote files

File name File size

ACCESS.GLB	.....	586
C850SORT.GLB	.....	795
CONNECT.EXE7	.....	940
CONNECT.GLB	.....	695
CONTROL.MAI	.....	8
DEFAULT.SCR2	.....	144
ERRORMAIL.GLB	.....	11520
INBOX.GRP	.....	8
INBOX.KEY	.....	560
INBOX.MBG	.....	2436
INBOX.NME	.....	135
MAIL.EXE	.....	103638
MAIL.ICN	.....	200
MCI.GLB	.....	4
NETPO.GLB	.....	133
OUTBOX.KEY	.....	560
OUTBOX.MBG	.....	812
POBOX.KEY	.....	560
POBOX.MBG	.....	4988
RNETWORK.GLB	.....	19930
SMTP.GLB	.....	4
TRANSFIL	.....	1603
TRANSMIT.EXE	.....	33198
USGNERIC.SCR	.....	2044
USHAYS24.SCR	.....	1972
USPPER96.SCR	.....	2404
Total:	.....	198877

The screen displays are okay but not that great. All the functions found in the Windows version are also there in the DOS version, although you will find some functions are located under different menus.

*Bob Perry  
CompuServe ID: [71431,2703]*

## DOS

100/200LX

### Alternative compiler for dBase programmers

I suggest experienced HP Palmtop dBase programmers check out an xBase compiler named FORCE. This program is a native code compiler that for the most part follows dBase III syntax. It creates ultra small executable program files. The proverbial "Hello, World" program is something like 3K in size. Data files are also in dBase III format although indices are not. I code commercially with FORCE for the Laptops and Palmtops and have found it invaluable.

*Scott Sturgeon  
NorthEast Infomation Systems  
CompuServe ID: [70403,3341]*

100/200LX

### Control TSR programs on the Palmtop

Many TSR programs can interfere with each other and sometimes with other DOS or System Manager programs on the HP Palmtop (TSR means Terminate and Stay Resident and includes such Palmtop programs as HELV100, Magnify, and InfoSelect.)

Usually, to get rid of a TSR program that is interfering with another program you would have to reboot the HP Palmtop (press **CTRL-ALT-DEL**). If the TSR was loaded from your AUTOEXEC.BAT file, you would have to remove the TSR command line from your AUTOEXEC.BAT file before rebooting.

I found that the latest version (3.5) of TSR.COM, worked well on the HP

Palmtop. It contains a pair of programs (MARK.COM and RELEASE.EXE) that let you remove a TSR from memory without requiring a System reboot. You simply run MARK before running your TSR. This marks the memory position of the TSR and stores the information needed by RELEASE to remove the TSR from memory. Then run your TSR.

When you want to remove the TSR from memory, run RELEASE. This restores the system to the state it was at at the time the MARK was made, by releasing all the memory above, including the last MARK.

MARK, RELEASE, or any subsequent TSRs should not be loaded or executed while SYSMGR is loaded.

Lee Buck  
CompuServe ID: [76430,1067]

### Misc.

100/200LX

### Virus protection for the Palmtop?

The HP Palmtops are immune to boot sector and COMMAND.COM viruses. These viruses cause their damage by attaching to the System's startup files. Since these files are in the permanent ROM memory, which can't be changed, the virus cannot plant itself.

However, it is true that any EXE, EXM or COM file on the C drive (RAM disk) could be infected by a virus. In order for files on the C drive to get infected, you would have to run an infecting program on the Palmtop or on a PC that was connected to the Palmtop via a drive redirector (e.g. LapLink Remote is the redirector in the 100LX and the 100LX Connectivity Pack, or DCS95 from the 95LX Connectivity Pack).

Most of the DOS soft-

ware you have loaded onto your Palmtop most likely came from secure sources. If you want to be cautious, you could use a virus detection program to scan an executable file on your desktop PC before installing it on the Palmtop. Then you don't have to have the virus scanning software on the Palmtop.

Stan Dobrowski  
CompuServe ID: [71031,2162]

*[This is very prudent advice! I had a virus attack my HP Palmtop after connecting to a LAN via the 100LX Redirector and downloading data. I ran one little program on the LAN to access my A drive and BOOM! The virus was named something like "Shb" or so, and it gave false I/O errors after corrupting the disk drive's FAT (File Allocation Table). Not pleasant.*

*I used F-PROT to clean the A drive successfully, as well as the C drive. The C didn't show any errors, but the virus was found on it, and sent to oblivion. I lost just one small file on the Palmtop, and a lot of time and patience. Two diskettes were destroyed on the desktop. So, a virus can attack any executable file, although it cannot infect any of the non-writable files in ROM.*

Avi Meshar  
Compu-Serve ID: [71414,2112]

95LX 100/200LX

### Rules of Golf for your Palmtop

For you fellow "palm-golfers" here's yet another way to fill up that unused flashcard space. GOLF.ZIP contains two ASCII text files for the golfer who is savvy enough to bring his Palmtop to the course. The text file includes the complete "1994 Rules of Golf" as approved by the United States Golf

Association and The Royal and Ancient Golf Club of St. Andrews, Scotland. For the purist of the game, this is mandatory reading! No more arguments on the course — break out your Palmtop and settle the issue! GOLF.ZIP also includes a collection of Golf Humor.

James Cummiskey  
CompuServe ID: [72777,2266]

### PhoneBook

100/200LX

### View additional lines in PhoneBook's Note field

Since I put quite a bit of information in PhoneBook's Note field, I found it inconvenient to see only the top two lines of a Note in the full record Phone Item screen. I can of course press **F3** to display a full screen view of the Note field.

Alternatively, I load my Phone-Book file into the built-in Database application and increased the Note field display in the Phone Item screen by another 2 to 3 lines by removing the empty space between all the fields. Because there is no change to the order of the fields, 3rd party translation software will still work.

Here's how to remove the blank spaces:

1. First backup your PHONE.PDB file!
2. Open the Palmtop's Database application (press **CTRL**-**PHONE** or **DATA** Base).
3. Press **MENU** File **O**pen to access Database's Open File dialog box. By default, only .GDB Database files will be listed. The Phone-Book file has a .PDB extension. Type \*.PDB in the "File to Open" box and press **ENTER** to display any Phone-Book files in the current directory. If your PhoneBook

file is still not listed, Tab to the Directories listing and make sure you're in the directory where your Phone-Book file is located.

Highlight your Phone-Book file and press **ENTER** to load your PhoneBook file into the Database application.

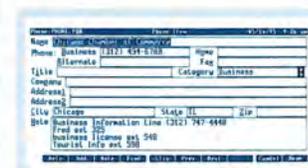
4. Press **MENU** File **M**odify Database.

5. Press **TAB** to go to the Business phone field.

6. Press **SHIFT**-**UP-ARROW** to move the field up in small increments until it is touching the field above. If nothing happens, press **F3** and then try **SHIFT** **UP-ARROW** again.

7. Do this with each field until all the fields are touching. (If you move it up so that the lines of the two fields are touching they will show up as thick solid lines between each field, and you'll be able to see four lines in the Note field. If you move the fields so that the lines overlap they will show up as a thin line between each field in the normal display and you will be able to see five lines displayed instead of four. You may like one display more than another, so experiment with each.)

8. Press **F3** **DOWN-ARROW** to expand the vertical size of the Note field.



Modified PhoneBook with Note field displaying four lines

9. Finally, press **F10** to save the changes and **MENU** **Q**uit to leave the application.

It may look a bit cramped in the beginning

but after you get used to it you'll enjoy being able to view four or five lines in the Note area.

Wee-Meng Lee

Internet ID:

leewm@hpsgmx18.sgp.hp.com

## PocketQuicken

200LX

### Limits on size of numbers in Quicken

Pocket Quicken has a size limitation on the largest and smallest numbers that it is built to handle (999,999.99 and -99,999.99). For most U.S. users and those in countries that have a currency unit that is close to the U.S. dollar's value, this is not much of a problem. However, for countries with currencies that are commonly transacted in the millions, Pocket Quicken will have limited value. In these cases you can use a Lotus worksheet check register like CHECKBOOK.WK1 (a commercial Lotus template) or a DOS program compatible with the HP Palmtop that will handle larger numbers than Pocket Quicken can.

Robert Roney

Editor HP Palmtop Paper

100/200LX

### Quicken import files need matching date formats

[The following applies to Pocket Quicken on the 200LX and the stand-alone version on the 100LX.]

If you use Pocket Quicken as a companion to the desktop version of Quicken for Windows 3.0 (U.S. or German versions), you will find that it is not possible to import a QIF file made on the desktop PC when using a date format other than Month/Day/Year. Although the Date and Country formats may be the same on both computers,

Pocket Quicken is not able to read the QIF File. If you look into the QIF file you will see something like this:

```
!Type:CashD20.1.94T 60.00LMeal^
```

Following the D is the date in European format (20th of January, 94). In this case Pocket Quicken is not able to import the record. If you change the date part of the line to D01.20.94 Pocket Quicken can import it correctly. If your Palmtop is set to display European dates after it is imported, it will display this record in Pocket Quicken as 20.1.94 Meal 60.00 .

Werner Mitteregger

CompuServe ID:100022,2261

[The problem developed even with the U.S. version of Quicken when users would mix date formats on the screen and render their QIF files incompatible with desktop Quicken.

The "fix" is to switch the screen date format to Month/Day/Year on your desktop Quicken before you import or export. Since the desktop QIF file date uses the screen format, this will align the desktop QIF format to what Pocket Quicken expects.

Matthew Von-Maszewski

CompuServe ID:74247,1744

## Printing

95LX

100/200LX

### Connect Palmtop to Printer using a desktop PC as an alternative serial-to-parallel converter

You can use a desktop or laptop PC as an alternative to a serial-to-parallel converter for printing. Of course serial-to-parallel converters are much smaller, more portable and less expensive than buying a PC. But PCs connected to printers can be found almost anywhere. If

you already have one available, you can use it to serve the same function. Here's how I did it:

1. Connect the serial cable from the Palmtop to the serial port of the desktop PC. Make sure the Palmtop application is set to print to the serial port.

2. On the desktop, run a terminal emulation program like Procomm and set it to "log" (copy) the terminal session to the printer. (Check that the baud rate in Setup matches the baud rate in Procomm.)

The terminal program will send everything that comes in through the serial port back out the desktop PC's parallel port to the printer.

Stanley Dobrowski

CompuServe ID:71031,2162

## WorldTime

100/200LX

### Sort for More than One Country

You can set up a subset in World Time to list the cities of more than one country. This could, for example, be useful if you want to list all the cities in four South American countries you'll be visiting on a business trip. You could enter a category type in each city's Category field, then use the Subset feature to sort by that Category. But entering different categories in the Category field takes time. Here's another way to set up a multi-country subset:

1. From the All Cities screen in World Time, press **F6** (Subset), **F2** (Define), tab to the Country field, and enter each country name followed by a comma and a space as shown in the following format:

Country, Country, Country

Press **F10** (OK), enter a name for the subset, and press **ENTER**. Highlight the subset and press **ENTER** to view the subset cities. You can enter 31 characters in the country field counting commas and spaces. I got five countries in one subset using these five countries with very short names — Chile, Iran, Ghana, Guam, and Iraq.

You can also use the built-in Subset Selection Language (SSL) to define your subset. The advantage of SSL in this example is that you can enter more than 31 characters of countries.

SSL is a simple programming language that lets you define more complicated subsets. After you press **F6** (Subset), **F2** (Define), press **F2** again to go to the General Subset Entry box. In the area titled "SSL Statement" you enter your SSL subset definition. The syntax for the subset criteria used in the above example would be as follows:

```
(Country#"Chile"|Country#"Iran"|Country#"Ghana"|Country#"Guam"|Country#"Iraq")
```

You can expand the search criteria to additional countries by adding them to the end of the list. For example, to add Brazil to the list, key in the following immediately before the close parenthesis at the end of the above text string:

```
|Country#"Brazil"
```

For more on using the Subset Selection Language, see "SSL" in the Index of your *HP 100/200LX User Guide*.

Paul Merrill

Rich Hall

Editors, HP Palmtop Paper

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# Product Index

Contact information for products mentioned in articles.  
See Advertisers Index, next page, for additional product references.

## HP PRODUCTS

Contacts: 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 608-752-1537; Fax: 608-752-9548.

### HP 38G — \$79.95

(HP F1200A)

### HP 200LX 2MB — \$699

(HP F1061A)

### HP 200LX 1MB — \$549

(HP F1060A)

### HP 1000CX Palmtop PC — \$449

(HP F1203A)

### HP OmniBook 600C PC

486DX2/50 170MB HD — \$Varies

486DX4/75 260MB HD — \$Varies

### HP OmniBook 4000 PC

486DX4/100 520MB HD — \$Varies

486DX2/50 260MB HD — \$Varies

### HP StarLink Service — \$Varies

Wireless messaging service, for "one-stop communications solution." Contact: 800-917-LINK.

### 5MB.12v Flash Card — \$499

(HP F1012A) with Stacker 3.0 data compression software (not for the 95LX).

### 10MB/12V Flash Card — \$879

(HP F1013A) with Stacker 3.0 data compression software (not for the 95LX).

### Dictionary/Thesaurus Card — \$149.95

(HP F1005A)

### AC/DC Adapter (HP F1011A) — \$39.95

USA/Canada (Opt. ABA)

Europe (Opt. ABB)

Australia (Opt. ABG)

United Kingdom (Opt. ABU)

South Africa (Opt. ABQ)

### PC Connectivity Cable — \$24.95

(HP F1015A) Connect 95LX and 100/200LX to DOS compatible PC.

### MAC Connectivity Cable — \$24.95

(HP F1016A) Connect 95LX and 100/200LX to Apple PCs/MACs.

### 95LX Connectivity Pack — \$119.95

(HP F1001A)

### 100/200LX

### Connectivity Pack — \$119.95

(HP F1021B)

(HP F1021C) International

### 100/200LX Connectivity

### Pack Software Only — \$70

(HP F1021-60002)

### Connect/Adapter Kit — \$24.95

(HP F1023A) 4 adapters for connecting the 100/200LX to modems, printers, and PCs.

### 100/200LX Accessory Cradle — \$79

(HP F1027A) Connects the 100LX or 200LX to U.S. Robotics WorldPort V.42bis Modem, Skytel pager, and other products.

### 95LX Accessory Cradle — \$60

(HP F1006A)

### HSDL-1000 Infrared Transceiver

Module (1-999 units) — \$5.47 ea.

(HSDL-1000) IrDA compliant, integrated drop-in IR module. (See page 15)

### Service Agreements

For U.S. HP Palmtop users. Units must be under warranty to extend.

95LX, 1-year extension — \$50

95LX, 3-year extension — \$135

100/200LX, 2-year extension — \$85

Contact: HP, Corvallis Service Center,

USA; Phone: 503-757-2002.

NOTE: Prices listed are suggested retail price.

## OTHER PRODUCTS

### acCIS 3.0 — \$69

### On 2MB SRAM card — \$329

Automates CompuServe access. (See page 32)

Contact: **Shier Systems & Software**; Phone: 805-371-9391; Fax: 805-371-9454; CompuServe ID: [75030,3374].

### Banyan/Vines Operating System Ver.6.0 (1-10 users) — \$3,000

Networking software. (See page 28)

Contact: **Trellis Netware Services, USA**; Phone: 800-793-3390 or 508-485-7200; Fax: 508-485-3370.

### Biography Maker Ver.1.0 — \$29.99

Biography writing assistant. (See page 40)

Contact: **Banner Blue Software, USA**; Phone: 800-387-2158 or 510-794-6850; Fax: 510-795-4488.

### CCH Tax Law CD-ROM — \$Varies

Current tax laws and information. (See page 34)

Contact: **CCH, Inc., USA**; Phone: 800-835-5224 or 312-866-6000; Fax: 312-866-3608.

### CompuServe — \$Varies

Online information service. (See page 32).

Contact: **CompuServe USA**; Phone: 800-848-8199 ext 231, or 614-457-0802.

### Correct Quotes — \$NA

Instant library of quotations. (See page 16)

Contact: **SoftKey, Inc., USA**; Phone: 800-523-3520; Fax: 404-427-1150.

### dBase III ver. 3+ — \$695

### dBase IV ver. 2.0 — \$805

Database programs. (See page 44)

Contact: **Borland International, USA**; Phone: 800-331-0877 or 408-438-8400; Fax: 408-439-9119.

### Dock 101 — \$99

External keyboard. (See page 40)

Contact: **Key Tronic Corporation, USA**; Phone: 800-262-6006 or 509-928-8000; Fax: 509-927-5224.

### DOS 5.0 — \$NA

### DOS 6.0 — \$59.95

Operating System. (See page 19)

Contact: **Microsoft Corporation, USA**; Phone: 800-426-9400; Fax: 206-635-6100; Canada: 800-563-9048; International: 206-936-8661.

### Easy Ammortization — \$89.95

Amortization software. (See page 35)

Contact: **REM Software, Inc., USA**; Phone/Fax: 800-237-7327.

### EtherFlash PCMCIA Card

### Type II 10Base-T with 2MB — \$419

### Type II 10Base-2 with 2MB — \$449

### Type II Combo

### (10Base-T & 2) /2MB — \$479

Connector to all major Network Operating Systems plus flash memory. (See page 28)

### Ethernet SPE PCMCIA Card

### Type II 10Base-T — \$219

### Type II 10Base-2 — \$239

### Type II Combo (10Base-T & 2) — \$279

Connector to all major Network Operating Systems. (See page 28)

Contact: **Silicom Connectivity Solutions, Inc., USA**; Phone: 800-474-5426 or 206-882-7995; Fax: 206-882-4775.

### Family Tree Maker

### DOS Ver.3.0 — \$NA

### DOS Ver.4.0 — \$54.99

### Windows Ver.2.0 — \$54.99

### CD ROM — \$69.99

Genealogy database. (See page 40)

Contact: **Banner Blue Software, USA**; Phone: 800-387-2158 or 510-794-6850; Fax: 510-795-4488.

### Flash RAM Cards — \$Varies

### 175MB — \$3,245

PCMCIA memory storage cards. (See page 5)

Contact: **Sundisk Corporation, USA**; Phone: 408-562-0595; Fax: 408-562-3403.

### Force Ver.2.4C — \$195

xBase compiler. (See page 44)

Contact: **Software Evolution Corporation, USA**; Phone: none; Faxes: 713-350-9910 or 804-222-7570; CompuServe ID: 76660,1024

### HP Palmtop Paper, Back issues

Contact: **Thaddeus Computing, USA**; Phone: 800-373-6114; Fax: 515-472-1879.

### InfoSelect DOS Ver.2

### Regular price — \$149.95

### HP Palmtop Paper special

### — \$69.95

Personal information manager. (See page 44)

Contact: **Micro Logic, USA**; Phone: 800-342-5930 Ext. 112 or 201-342-6518; Fax: 201-342-0370

### JTAXPLUS — \$Varies

Calculates gross to net payroll. (See page 33)

Contact: **Parkerware Associates, P.O. Box 6, Franklin Park, NJ, 08823, USA**; Phone: None; Fax: None.

### LAN Manager Ver.2.01 — \$595

Networking software. (See page 28)

Contact: **AT&T Global Information Solutions, USA**; Phone: 800-637-2600; Fax: 513-445-4184.

### Language Assistant Series

### French, German, Italian, Spanish

### — \$79.95 ea.

Document translation. (See page 40)

Contact: **Globalink, USA**; Phone: 800-255-5660 or 703-273-5600; Fax: 703-273-3866.

### LANtastic Ver.5.0 — \$Varies

Networking software. (See page 28)

Contact: **Artisoft, Inc., USA**; Phone: 800-233-5564; Fax: 602-670-7107.

### Magnify — \$19

Screen magnification software for the HP 100/200LX. (See page 44)

Contact: **ACE Technologies, Inc., USA**; Phone: 800-825-9977 or 408-734-0100; Fax: 408-734-3344.

### Megahertz 14.4 Fax/Modem card

### — \$219

PCMCIA fax/modem card that works in the 100/200LX. (See page 44.)

Contact: **Megahertz Corporation**; Phone: 801-320-7000; Fax: 801-320-6002

### MS Mail Remote (1 work station) — \$139

E-mail software. (See page 44)

Contact: **Microsoft Corporation, USA**; (See listing for DOS)

### Network Lite — \$99 /node

Networking software. (See page 28)

### Novell DOS 7 — \$99

Network Operating System. (See page 28)

Contact: **Novell, Inc., USA**; Phone: 800-453-1267 or 801-429-7000; Fax: 801-429-5155

### Palm Connect — \$49

Connectivity software. (See page 17.)

Contact: **Palm Computing, USA**; Phone: 800-881-7256 or 415-949-9560; Fax: 415-949-0147

### palmtop.com — \$9 /mo.

E-mail subscriptions. (See page 40)

Contact: **palmtop.com, USA**; Phone: 408-450-3467; Fax: 408-321-3603

### Pocket Quicken — \$69.95

Stand-alone version of Pocket Quicken for 100LX users. (See page 46)

Contact: **Intuit**; Phone: 800-354-4023; Fax: 603-295-3015; International: 415-858-6095.

### Q&A Ver.3.3 — \$NA

### Ver.4.0 — \$399

Database and file management software. (See page 34)

Contact: **Symantec Corporation, USA**; Phone: 800-441-7234 or 408-253-9600; Fax: 408-252-4696

### Quicken for Windows Ver.4

### Regular — \$29.95

### Deluxe — \$49.95

Financial management software. (See page 46)

Contact: **Intuit, USA**; Phone: 800-624-8742; Fax: 415-852-0155; International: 415-858-6095.

### Smart Level — \$Varies

Electronic level. (See page 12.)

Contact: **Macklanburg-Duncan, USA**; Phone: 800-762-7853; Fax: 405-557-3568

### TimeSlips Ver.3.4 — \$NA

Accounting software. (See page 33)

Contact: **TimeSlips Corporation, USA**; Phone: 800-285-0999 or 508-768-6100; Fax: 508-768-7660

### User's Groups for the HP Palmtop

See box on page 13, this issue.

### Windows for Work Groups — \$74.95

### Including Windows Ver.3.1 — \$149

Operating System with network capabilities. (See page 28)

Contact: **Microsoft Corporation, USA**; Phone: 800-426-9400; Fax: 206-635-6100; Canada: 800-563-9048. Intl.: 206-936-8661

### Zoom 14.4 Pocket Modem — \$269

Portable modem. (See page 32)

Contact: **Zoom Telephonics, USA**; Phone: 800-631-3116 or 617-423-1072; Fax: 617-423-9350

## HOW TO CONTACT US

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 mail, fax, or call. Our mailing address and contact information is:

**Thaddeus Computing, Inc.,**  
**P.O. Box 869 or 57 E. Broadway**  
**Fairfield, IA 52556, U.S.A.**  
**Phone: 515-472-6330 or 800-373-6114**  
**Fax #:515-472-1879**  
**CIS ID: Hal Goldstein, [75300,2443]**  
**Internet: 75300.2443~compuserve.com**

**TO ADVERTISE** in The HP Palmtop Paper contact Brian Teitzman or Margaret Martin.

**TO SUBSCRIBE**, change address, or clear up any problem with your subscription, contact our subscription department (Director Sharon Dilmore, CompuServe ID: 176125,1773).

## Technical Support

**HP Technical Support** - HP offers these options:

■ **FREE TECHNICAL SUPPORT**—is offered to all Palmtop users and is available by calling 503-757-2004.

■ **FREE AUTOMATED SUPPORT** is offered 24 hours a day by calling 800-443-1254.

■ **REQUEST FAXED OR MAILED INFORMATION**—800-752-0900.

**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 800-227-6364 or 703-893-6288 for membership information.

■ **INTERNET: comp.sys.palmtops; or eddie.mit.edu.**

## 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 Compu Serve E-Mail [75300,2443], Internet: 75300.2443@compuserve.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. 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.

If you can, especially if you write a Palmtop Profile, send us a black and white photo of yourself.

## Products advertised in this issue of The HP Palmtop Paper

COMPANY	(PRODUCT)	[PHONE/FAX NUMBERS]	PAGE NUMBER
Accunte	(Floppy drives for 100/200LX)	[408-433-1980; Fax: 408-433-1716]	39
ACE	(ACE)	[800-825-9977 or 408-734-0100; Fax: 408-734-3344]	24-25
	(Palmtop/Omnibook Products includes: 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.)		
Bach Company	(ACE DoubleFlash Plus - FlashRAM to 80MB)		back cover
Brownstone	(FlashRAM & Fax Modems)	[800-248-2224 or 415-494-6660; Fax: 415-494-1995]	22
Brownstone	(Option Trading System)	[800-642-7116; Tel/Fax: 908-654-7108]	22
CSS	(Barcode system)	[800-733-5017 or 503-752-4419; Fax: 503-752-7037]	35
DataViz	(MacLink Plus)	[800-733-0030 or 203-268-0030; Fax: 203-268-4345]	18
E & B	(Leather Cases)	[800-896-2273; Int: 916-344-5047; Fax: 916-782-9306]	21
EduCALC	(Accessories Catalog)	[800-713-6526 or 714-582-2637; Fax: 714-582-1445]	14
El Dorado	(HP 200LX and Accessories)	[800-227-8292 or 415-494-6600; Fax: 415-494-1995]	31
Envoy Data	(PCMCIA Products)	[800-368-6971 or 602-892-0954; Fax: 602-892-0029]	9
EXP Computer	(ThinFax Modem)	[800-EXP-6922 ext. 641 or 714-453-1020; Fax: 714-453-1319]	inside back
Experience in Software	(Project Kickstart)	[800-678-7008 or 510-644-0694; Fax: 510-644-3823]	33
Extended Systems	(Desktop Infrared Interface)	[800-235-7576 or 208-322-7570; Fax: 406-587-9170]	35
	(JetEye Infrared Printer Interface)		37
Global Connections	(Palmtops & accessories)	[608-752-1537; Fax: 608-752-9548]	33
Inmax	(CGA VGA Graphics Pack Vision)	[604-980-9991; Fax: 604-985-5597]	37
IntelliLink	(Windows Connectivity Pack)	[603-888-0666; Fax: 603-888-9817]	4
Intuit	(Pocket Quicken)	[800-781-5999 ext. 810 253 or 520-295-3220; Fax: 520-295-3015]	11
MicroGram	(Card Software Development System)	[Phone/Fax: 415-747-0811]	37
Opus 63	(Liberator Shoulder Holster)	[800-588-OPUS or 718-706-6787; Fax: 718-706-7034]	39
Palm Computing	(PalmConnect)	[800-881-7256 or 415-949-9560; Fax: 415-949-0147]	5
Shier Systems	(acCIS - CompuServe access program & Quick/LX)	[805-371-9391; Fax: 805-371-9454]	16
Smart Modular	(FaxModem - Memory)	[510-623-1231; Fax: 510-623-1434]	inside front
Steele Creek Tech	(Card-link Drives)	[Phone/Fax: 704-588-1780]	19
Thaddeus Computing	(HP Palmtop Paper)	[800-373-6114 or 515-472-6330; Fax: 515-472-1879]	8
	(HP Palmtop Paper ON DISK)		41

## Shareware and Freeware Index (May/June 1995) Software on The HP Palmtop Paper ON DISK or CompuServe)

PRODUCT	FUNCTION	CIS FORUM/LIBRARY	TYPE	PAGE
ENTSPN14.ZIP	Application: English-Spanish translator 100LX.	HPHAND/100LX Gen, 11	Free	14
VISLOCK.ZIP	Application: Large digital clock for 100/200LX.	HPHAND/100LX Gen, 11	Free	2
CPA.ZIP	Database & Lotus: Files from the CPA profile by Ray Kump: Contains: AVAIL.WK1, BREAKEVE.WK1, BUSN.PDB, FID93.WK1, MRTG-INT.WK1, NEW-BUSN.GDB, PROJ.GDB, RAYSOLVE.EQN, RE.EQN, ,	HPHAND/100LX Gen, 11	Free	na
LIBDB.ZIP	Database: Description of files in CIS HP forums	na	Free	na
PTPDSK21.ZIP	Database: PTP OnDisk Index in 95/100LX formats	PCFUN/Word & Card, 7	Share	20
PATIENCE.ZIP	Games: 10 Solitaire card games, 100/200LX	HPHAND/100LX Gen, 11	Free	15
INTERO.ZIP	NoteTaker: Glossary of Internet networking terms	IBMSYS/Gen Utilities, 3	Share	45
F-PROT.ZIP	Utility: Anti-virus software	HPHAND/100LX Gen, 11	Free	44
PAT.ZIP	Utility: Alarm sound utility for the 100/200LX	PWOFORUM/ LIB 10	Free	44
TSRCOM.ZIP	Utility: Manage & terminate TSR's 100/200LX:	HPHAND/General,1	Free	na
UNZIP.EXE	Utility: Utility to decompress .ZIP files	na	na	na
ADVERT.ZIP	Text: Descriptions, products advertised this issue	HPHAND/100LX Gen, 11	Free	45
GOLF.ZIP	Text: Golf rules and golf humor	na	na	na
LIBDB.TXT	Text: Descriptions of files in CIS HP forums	na	na	na
PTP21.ZIP	Text: The HP Palmtop Paper, May/June 1995	na	na	na
README.ZIP	Text: cover letter for HP Palmtop Paper ON DISK	na	na	na

## Software mentioned and included in past issues of The HP Palmtop Paper ON DISK, The Subscriber's PowerDisks, or CompuServe's HP HAND Forum

BUDDY.ZIP	(BestTips 95) Utility adds features to 100/200LX (HPHAND/100LX/11)	Share	11
GDPIO.ZIP	(PwrDsk 94/95) Import/export utility for 100/200LX .GDB (HPHAND/11)	Free	34
REMKEY.ZIP	(PwrDsk 94/95) Use desktop as keyboard for 100/200LX (HPHAND/11)	Free	40

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