What's New on the HHC 2026 USB Drive

Eric Rechlin

HHC 2026 — October 31–November 1, 2026 — Nashville, TN



HHC 2026 USB Drive

- Collection of nearly everything I can find related to HP calculators, plus some other extras for other brands of calculators and other HP products
- Much of its contents is spread across the Internet — but some is not
- Do you know of something that should be archived in the future? Tell me!

HHC 2026

Only 128 GB? What happened?

- Conference disk or drive has been steadily increasing over time
- Lately it's been doubling every few years: 128 GB, then 256 GB, then 512 GB
- But now you have a 128 GB drive in your conference registration packet

Chip prices have skyrocketed

- GPUs and RAM are the headline increases (4x+ price increase)
- Solid state storage, including SSDs and USB flash drives, have increased significantly as well, and even hard drives have gone up
- Last year's 512 GB drive has tripled in price, from about $44 each (my cost) at the time of HHC 2025 to around $140 each now
- Not feasible as a conference giveaway!

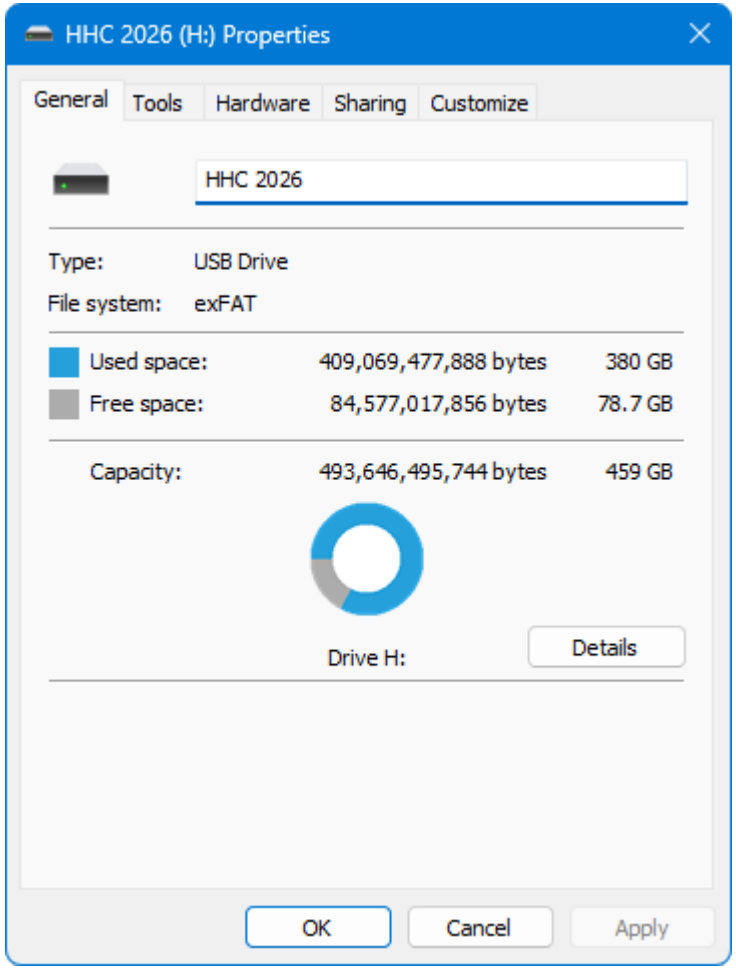
2 drives this year

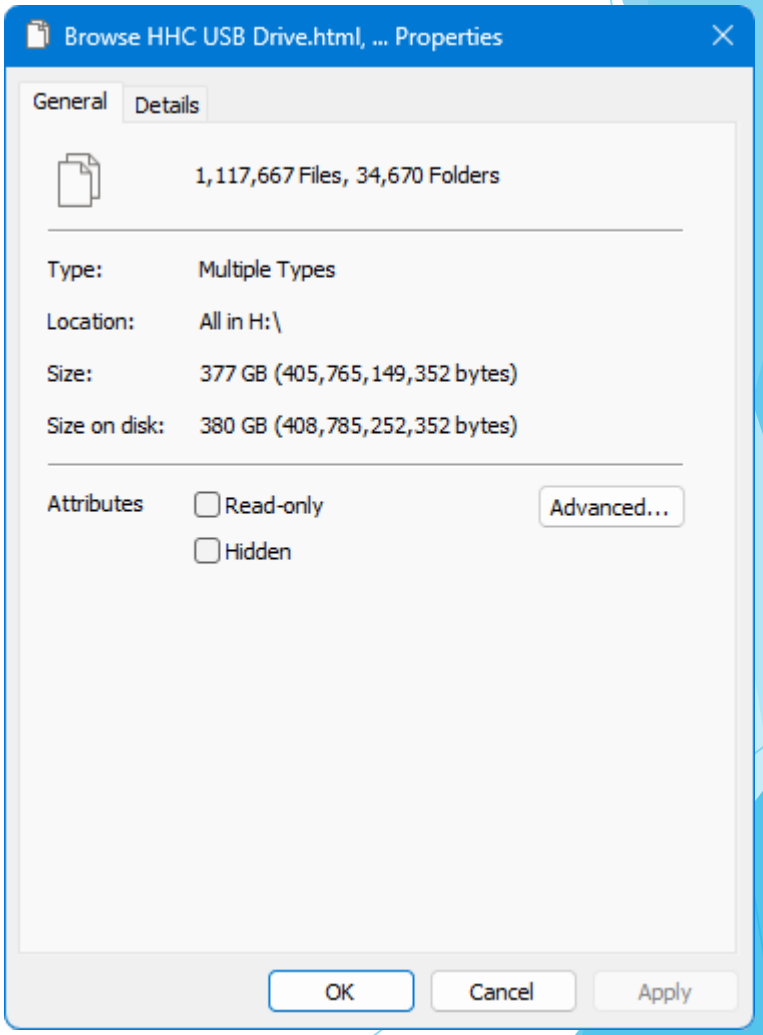
- 512 GB drive
  - Successor to last year's drive
  - Will only be available for sale
  - The entire HP calculator world in your hand!
- 128 GB drive
  - In your conference packet, included with your registration
  - Also will be available for sale
  - Conference materials and incremental upgrade drive

Overall structure of 512 GB drive

- Conference proceedings
  - Serves as the conference binder, with all proceedings since 2011
- Discussion forums
  - Over 720,000 messages archived
- Manuals and books
  - Over 2700 PDFs in the Manuals section
- Emulators (Windows)
- Offline mirrors of web sites
  - 31 sites preserved
- PPC Archive
- System Internals
- Periodicals
- Fonts
- Photos
- Videos
- ROMs

512 GB drive





HHC 2026

HHC 2026 USB Drive

This USB drive is the official record of the HHC 2026[online link] conference.

HHC

HHC Conference Materials

Contains materials from HHC conference floppies, CDs, DVDs, and USB drives from 1998 through 2026, plus many of the presentation files.

HP Conference Videos

Contains captures of the talks presented at the live-streamed HPCC 2020 conference and HPCC January 2021, October 2021, and January 2024 mini-conferences, and videos recorded by Eric Rechlin of the talks presented at the HHC 2011 through 2025 conferences, as well as the HPCC 2022 and Allschwil 2022 conferences, plus others' recordings of the Allschwil 2016 and 2018 and HPCC 2023, 2024, 2025 and 2026 conferences, along with a couple videos presented at earlier conferences, Gene Wright's training videos for financial calculators, and a few other videos.

Large Collections

hp41.org

All the file downloads from Warren Furlow's hp41.org[online link] site, the Internet's largest collection of HP-41 resources, archived as of September 22, 2026. Based on the November 6, 2020 torrent copy of the DVD and manually updated with all updates made since then.

hpcalc.org

An offline mirror of Eric Rechlin's hpcalc.org[online link] site, the Internet's largest collection of HP graphing calculator resources, with over 9000 items, archived as of October 19, 2026. Also includes historic older versions of all files ever on the site, plus allows direct browsing of the contents of all compressed archives.

PPC Archive 2.49 - April 2026

A full copy of Jake Schwartz's vast collection of over 95,000 pages of information, including materials from various HP calculator clubs that were active in the 1970s to the present, plus materials from EduCALC and HP, current through April 1, 2026. Updates are available for purchase from Jake[online link].

For the best experience, please go to the root of this drive and open "Open PPC Archive.pdf" in your favorite standalone PDF viewing software for interactive PDF-based navigation of the collection. It is highly recommended that you use a quality third-party PDF viewer to open these documents, such as Adobe Reader, Foxit Reader, Nitro PDF, PDF-XChange, or Sumatra PDF, because these PDFs have features that do not work properly within a web browser or with operating system built-in PDF viewers.

Section 1 Version 2.22

65 Notes / PC Calculator Journal / PPC Journal volumes 1-14 (1974-1987), plus Chicago-Area CHIP Group Newsletters (1991-2005), Philadelphia-Area PAHHC Group Newsletters (1992-2000), and Atlanta CHHU Group Newsletters (1986-1987).

Section 2 Version 3.19

PPC ROM Manual, Computer Journal of PPC, CHHU Chronicle, HPX Exchange, HP-65 Key Note, HP Key Notes, HP Digest, and HP Journal articles.

Section 3 Version 24.0

43 years of Datafile (1982-2025), the journal of the British Handheld and Portable Computer Club, plus an index and scannable HP-41 barcode files for all issues.

Section 4 Version 2.24

Australian newsletters, New Zealand newsletters, HHC conference proceedings (1979-2025), and the HP Solve Newsletter (2008-2014).

What's the 128 GB drive?

- PNY Attache 3 (USB 3.0) or Attache X (USB 3.2)
  - Supply issues meant I couldn't get enough of either
- Both perform identically (slooooow)
  - 85-90 MB/s read and 17-18 MB/s write
- Actual capacity is 124 GB (115 GiB)
- The 512 GB drive has over 400 GB of content, so how do we trim that down?

Non-negotiables

- Jake's PPC Archive
  - 52.0 GB (48.4 GiB)
- My hpcalc.org site
  - 24.6 GB (22.9 GiB)
- 2026 conference proceedings
  - 1.7 GB (1.6 GiB)
- That adds up to 72.9 GiB, leaving about 42 GiB for everything else

What else fits in 42 GiB?

- My Literature Archive site (literature.hpcalc.org)
  - Full site is 49.9 GiB so that alone is too big
- Other additions to the drive since HHC 2025
  - Conference videos are 15.8 GiB
  - Remaining additions are 3.1 GiB
  - So just an incremental update would need 18.9 GiB

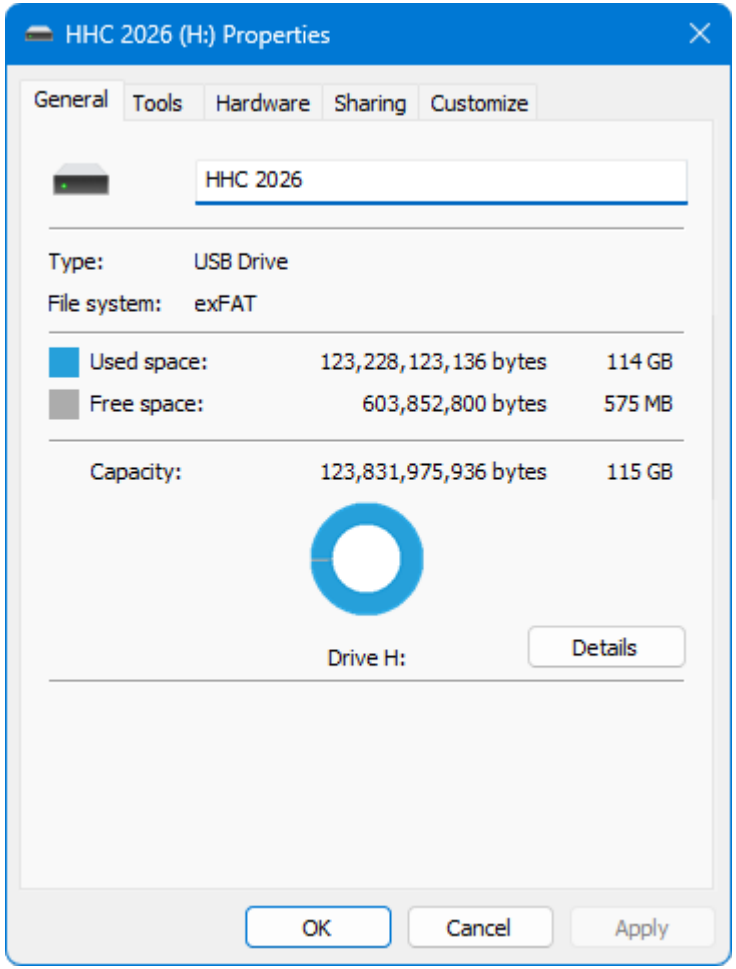
What to choose?

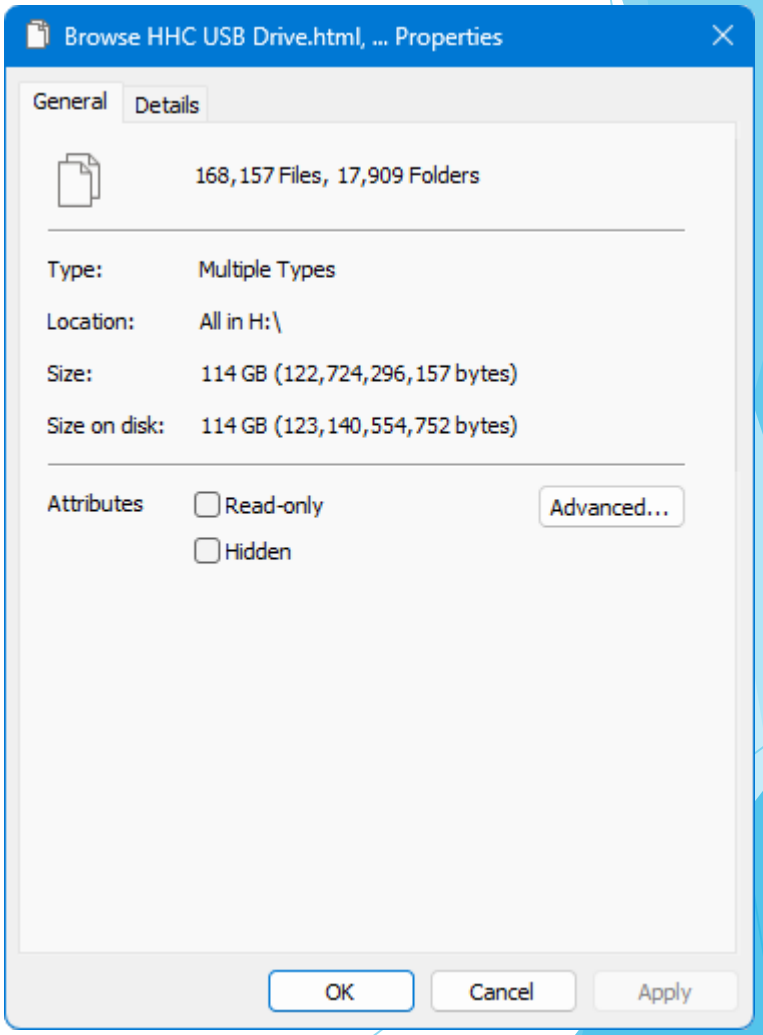
- Skipping conference videos is an easy choice
- Keep all other additions since 2025
- Do a subset of the Literature Archive (about ¾ by size)
  - How to reduce it by ~12 GiB?

Literature Archive reduction

- Include everything added since HHC 2024
  - This means anyone with an HHC 2024 or HHC 2025 USB drive will still have the full collection with this incremental update
- Include all official English-language HP-produced manuals
- Exclude foreign language documents over 10 MB added prior to HHC 2024
- Exclude small subset of English-language third-party documents added prior to HHC 2024
  - Focused on largest files (all over 80 MB) that I deemed less important
- Ended up removing 187 of the items, approximately 9%

128 GB Conference Drive





HHC 2026

HHC 2026 Conference Drive

This USB drive is the official record of the HHC 2026[online link] conference. This is the reduced, 128 GB drive, which only has a subset of the full 512 GB drive.

HHC

HHC Conference Materials

Contains presentations and supplementary files for HHC 2026.

Large Collections

hpcalc.org

An offline mirror of Eric Rechlin's hpcalc.org[online link] site, the Internet's largest collection of HP graphing calculator resources, with over 9000 items, archived as of October 19, 2026. Also includes historic older versions of all files ever on the site, plus allows direct browsing of the contents of all compressed archives.

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EduCALC Library 2.14

Catalogs, Technical Notes, Newslines, and other materials published by EduCALC from 1978 through 1997.

HP Materials 1.12

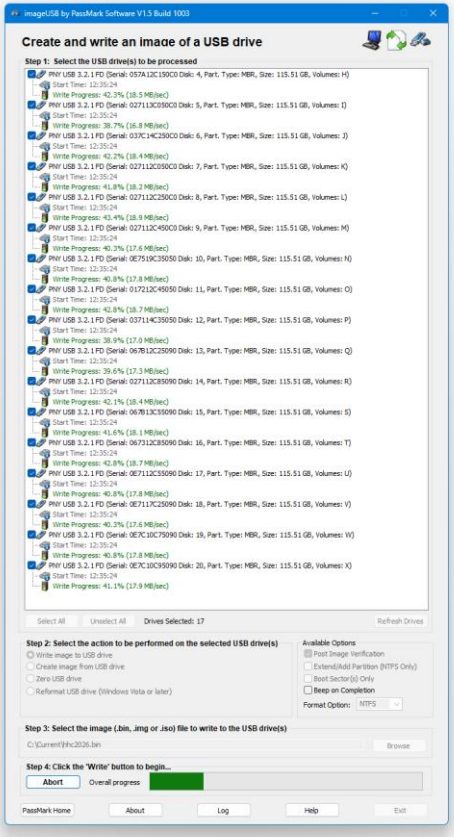
HP-related miscellaneous materials, including HP Basic Exchange, HP Key Bits, HP^{C} Magazine, HP Users Group of Maine, Measurement-Computation News, SMI Forty Eight Forum, Solve and Integrate Newsletter, Olympic Sales Co catalogs, HP press kits, calculator excerpts from the HP annual catalogs and annual reports, brochures, foreign publications such as PROMPT and CURSOR, and more.

Calculator Manuals

A comprehensive collection of manuals for virtually all HP calculators.

HHC 2026

Copying the drive





HHC 2026

OK, that's what was removed
But what was ***added***?

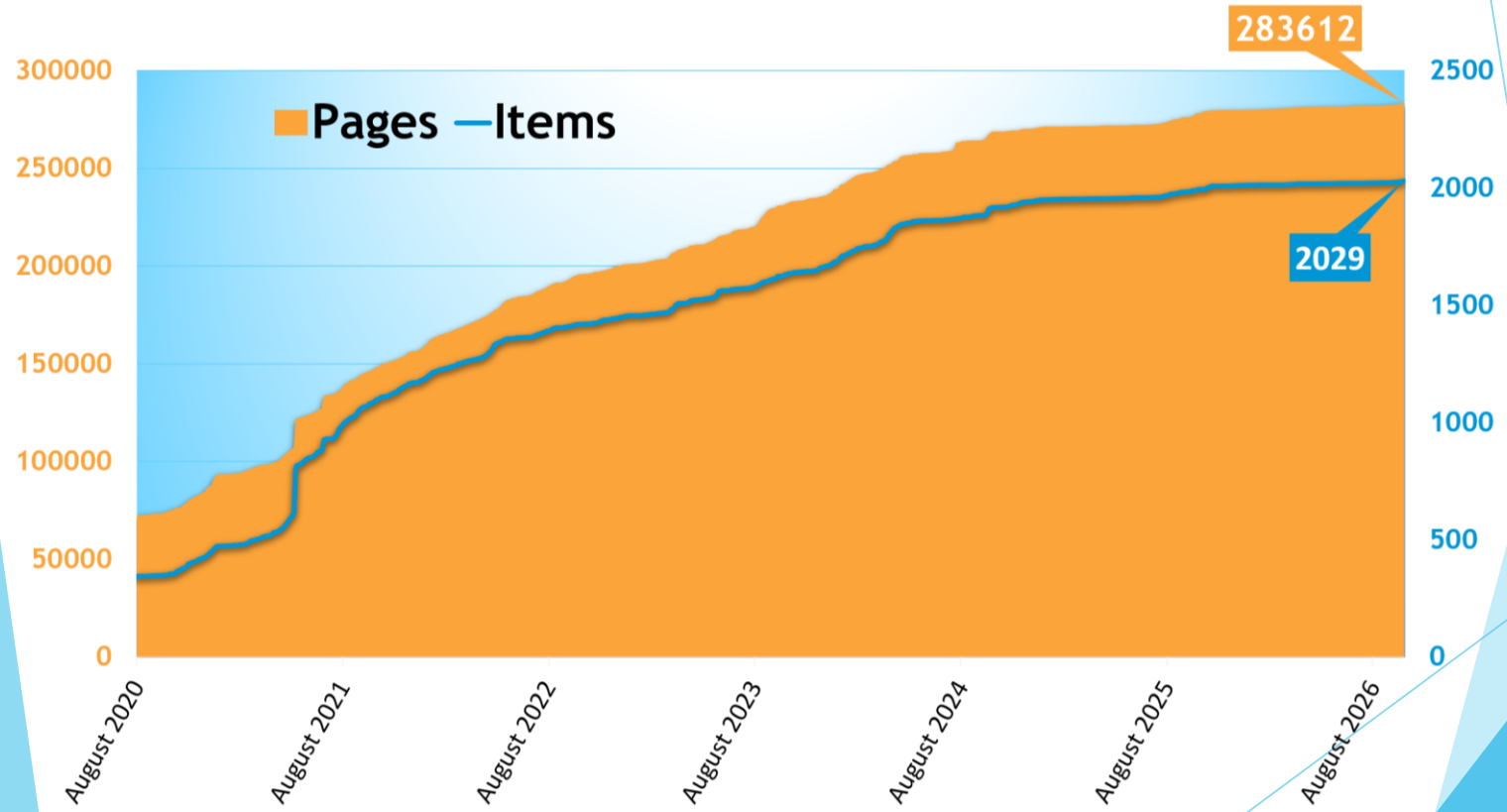
- Jake's PPC Archive updated from 2.47 to 2.49
  - He'll tell you all about it in his presentation
- My hpcalc.org mirror updated
  - Now current as of October 2026
  - Includes all historic files and archive contents
- My HP Calculator Literature Archive updated

Literature Archive additions

- Comprehensive collection of HP calculator documentation
- 6,961 more pages in 42 more books than last year
- PDFs sourced from HP:
  - 550 items totaling 88,182 pages
- PDFs sourced from the user community:
  - 1,479 items totaling 195,430 pages
    - 963 of these, with 131,256 pages, were scanned by me
- Total is 2,029 items with 283,612 pages (53.2 GB)
- Also available online:

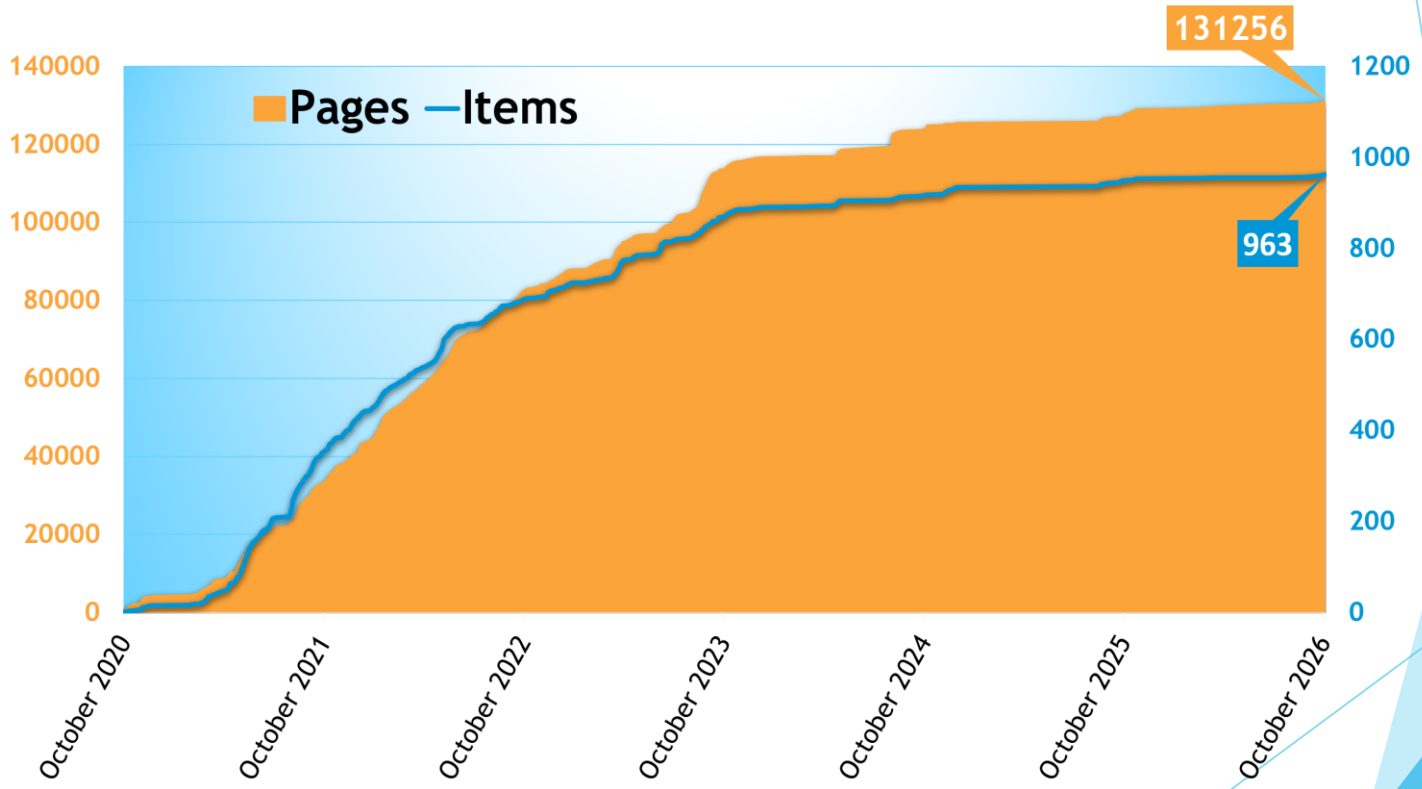
  https://literature.hpcalc.org

Literature archive size over time



HHC 2026

Number of items I scanned over time



HHC 2026

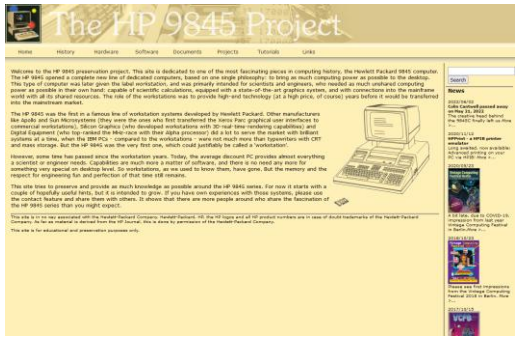
What do I still need?

- Top priorities of books/manuals I need to scan:
  - HP-41 Users' Library Solutions: Applied statistics I
  - HP-75 NOMAS Volume 1: Source Code
- Also looking for more "internal" documentation:
  - Most service manuals I scanned are photocopies, not originals
  - More NOMAS listings, like HP-75 I/O ROM, 82104A Card Reader ROM, 82180A Extended Functions ROM, and 82905B Printer ROM

Newly archived sites



- hp9825.com
  - Steve Leibson's web site
  - Stories and information not only about the HP 9825, but the HP 9100, and a sizable part of the early history of HP



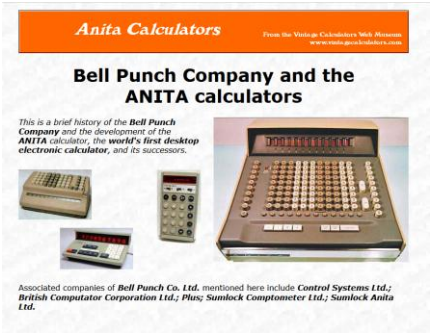
- hp9845.net
  - Ansgar Kückes's web site
  - Dedicated to the early HP 9845 computer

HHC 2026

Newly archived sites (2)



- Vintage British Calculators
  - Nigel Tout's site
  - Virtual British calculator museum, dedicated to British calculator brands



- ANITA Calculators
  - Also Nigel Tout's site
  - Dedicated to calculators from the Bell Punch Company, which developed the ANITA calculator, the world's first desktop electronic calculator

HHC 2026

Incremental changes

- Warren Furlow's hp41.org
  - Thirty-four new files added to his site
- hpmuseum.net
  - Fifteen new scanned documents, along with two photos and changes to HTML files
- HP Series 80 groups.io
  - Nine new file downloads for the HP Series 80 (HP-85 and siblings)
- HP-75 groups.io
  - One new file download for the HP-75
- Jeff's Calc Page
  - Updates to two pages on J-F Garnier's web site
- hhuc.us (Official Conference Site)
  - Updates to the 2025 site since the conference and added the 2026 conference site
- Marc Mislanghe's HP Memory Project
  - Three more memories added to collection, and some other miscellaneous updates

Incremental changes (2)

- Kenneth Kuhn's HP Museum
  - Minor formatting updates
- SwissMicros Technical Information
  - Updates to some of the downloads
- Tony Nixon's Teenix site
  - About a dozen new or updated files from the collection of LED calculator emulators
- Pierre Houbert's ti58c.phweb.me
  - Dozens of new calculators added to his collection, plus updates to his TI-58C calculator emulator
- Rick Furr's VCALC.net
  - Minor update to his museum of the Curta mechanical calculator, to note his passing
- Nigel Tout's Vintage Calculators Web Museum
  - Updates to five pages

Incremental changes (3)

- Katie Wasserman's Scanned Manuals
  - Four new manuals added to her site
- Emulators
  - Updated Emu28, Emu42, Emu48, Free42, Plus42, Teenix, V41, and official HP emulators
- Fonts
  - Added one new font (my 16C keycap font)
- ROM dumps
  - Several ROM dumps from recent ARM machines
  - Community-created unofficial ROMs for them too
- Old Calculator Ads
  - One more scanned ad
- HP Museum Forum
  - Added posts from September 2025 through September 2026

Last year I said this

Bright spot for the forum?

- 2025 is looking better than recent years, each month this year has generally had around the 2nd most number of posts since about 2018

HP Museum Forum

198458 messages

Year	January	February	March	April	May	June	July	August	September	October	November	December	All
2013												1667	1667
2014	2138	1705	2016	2070	2543	2661	1111	1220	1448	1278	1152	1634	20976
2015	2196	2713	2807	1946	2472	1718	1611	1368	1735	1643	1637	1634	23480
2016	1677	1483	1592	1926	1313	1285	1170	1128	1538	1219	1436	1165	16932
2017	1428	1235	1942	1721	1326	1307	1247	1490	2370	1693	1854	2837	20450
2018	2416	1912	1822	1795	1829	1240	1528	1515	1948	1717	1310	1455	20487
2019	1690	1465	1257	1418	1299	1081	994	987	991	1331	1375	1385	15273
2020	1613	1119	1190	1215	1466	1275	957	921	1127	1358	1233	1053	14527
2021	1545	1141	1681	1673	1349	1178	810	996	979	1116	1103	1071	14642
2022	815	724	889	1058	1034	931	930	818	1081	990	1027	1020	11317
2023	905	789	1069	1054	1456	825	895	1409	986	1485	1536	1225	13634
2024	1016	931	952	1002	1103	1067	850	1174	1439	1968	1668	1437	14607
2025	1165	1207	1276	1459	1426	1522	1230	1181					10466

HHC 2025

HHC 2026

Well, it looks like this now

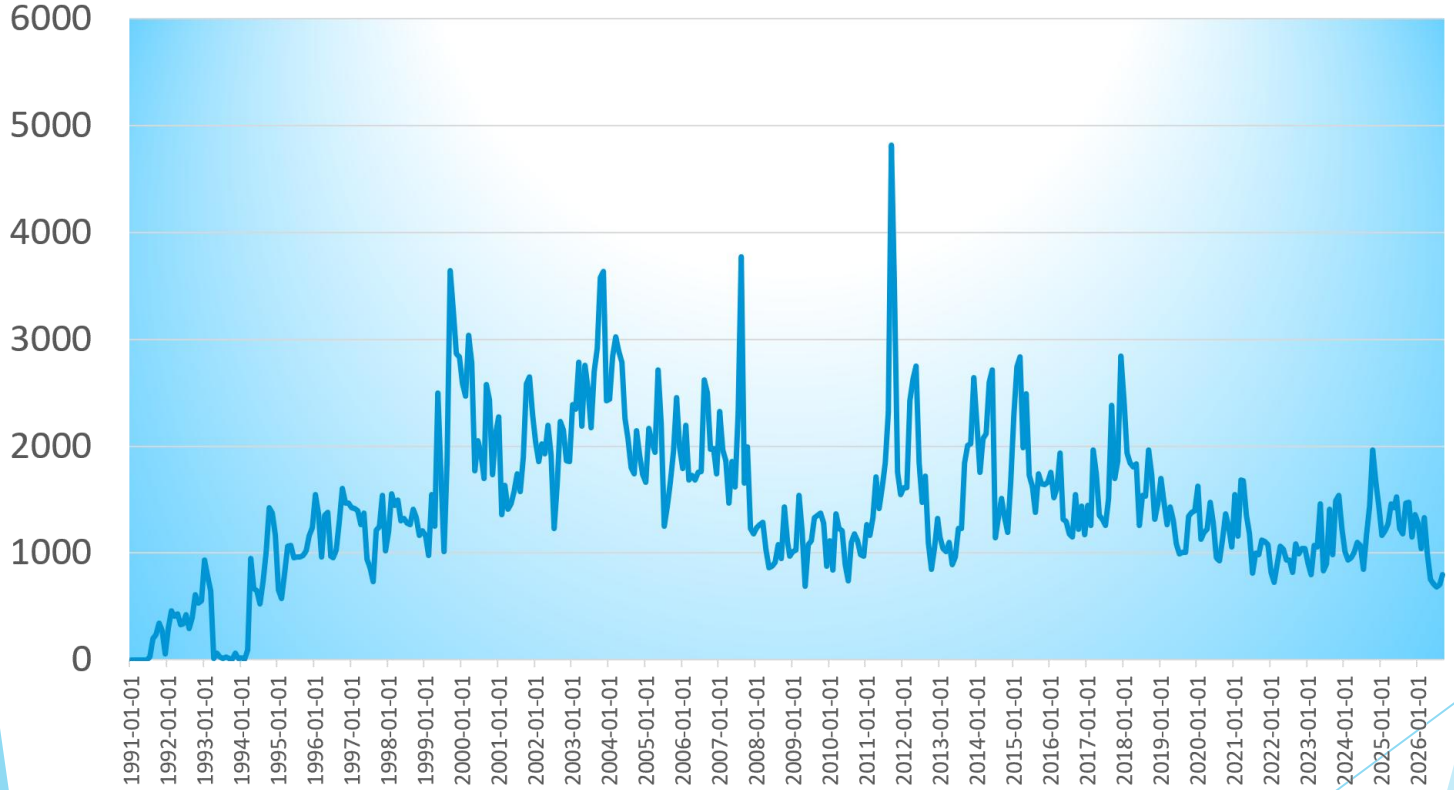
HP Museum Forum

212220 messages

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2024	1016	931	952	1002	1103	1067	850	1174	1439	1968	1668	1437	14607
2025	1165	1208	1276	1459	1426	1522	1230	1181	1464	1476	1147	1356	15910
2026	1283	1040	1328	994	752	713	679	703	794				8286

- Huge downturn in post activity after first quarter of 2026, despite the previous year being one of the best in a decade (2025 had more posts than any year since 2018)
- Maybe legitimate users are blocked by bot-protection measures? Or maybe AI use is reducing the need for users to post to ask questions? Or maybe AI results are discouraging visiting the site?

HP Museum Forum + comp.sys.hp48



HHC 2026

Dead Internet theory?

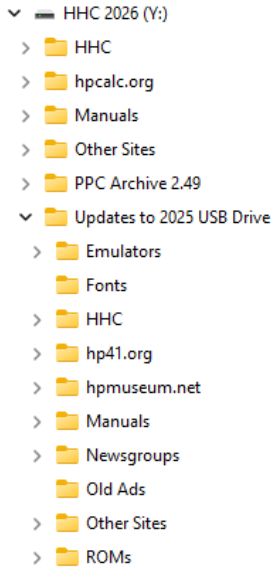
- Bot traffic on forums is insane, and will bring a forum to its knees without aggressive protection (such as Cloudflare)
- I gave up on hosting an online browsable archive of HP Museum posts
- Also makes my archival job hard — cannot use my (carefully-written) scripts to download new posts. Had to manually click and save each one!
- Still, I was able to archive all posts, attachments, and embedded images through September 2026

More videos (512 GB drive only)

- Added the videos from the 2025 HHC, 2025 HPCC, and 2026 HPCC conferences

Updating HHC 2025 drives

- If you already have a 512 GB HHC 2025 drive and would like to upgrade it to a 512 GB HHC 2026 drive using a 128 GB HHC 2026 drive, the folder structure is setup to make it easy:



1. Delete the “hpcalc.org” and “PPC Archive 2.47” folders from your HHC 2025 USB drive (backup if you care)
2. Copy the “HHC”, “Manuals”, and “Other Sites” folders, and the “Open PPC Archive.pdf” file, from the root of the 2026 drive to the root of the 2025 drive
3. From the 2026 drive’s “Updates to 2025 USB Drive” folder, copy everything to the root of the 2025 drive
4. Copy the “hpcalc.org” and “PPC Archive 2.49” folders from the root of the 2026 drive to the root of the 2025 drive

(when prompted, always overwrite existing files)

- All you will be missing are the latest conference videos (from YouTube)

HHC 2026

Obtaining HHC 2026 USB drives

- One 128 GB drive is included in your conference packet
- Additional drives may be purchased from my web site:

  https://commerce.hpcalc.org
- Price for full 512 GB drive: US$170 (includes $25 donation to HHC, to subsidize your drives, which were not covered by your conference registration fee), subject to change as flash drive prices keep fluctuating!
- Price for extra 128 GB upgrade drives: US$50 (also includes $25 donation)

- Fine print: Most virus scanners will flag “ALREADY.COM” on the 512 GB drive as a Trojan. This is understandable because of its functionality, but still a false alarm. Worse virus scanners will have other false alarms — ignore them, and even better, stop using them.

HHC 2026