W8BH clocks

Build a microcontroller-based clock. Here are several.

Bruce E. Hall, W8BH

Clocks are fascinating tools, aren't they? We have used and relied upon them for centuries. In our lifetime, clocks have become quite precise; small timepieces are now capable of displaying the time to within microseconds of a common standard. It is nothing short of amazing.

Not only can we acquire such precise timepieces, but we can build them ourselves, too. I have built several different clocks, each with a particular purpose in mind.   The following is a summary of my clocks with links to the appropriate documentation.

Name	Microcontroller	Display	Time Standard	Coding Environment	Tutorial or Description	Source Code
NTP_DualClock	ESP32	320 x 240 TFT LCD	NTP (WiFi)	Arduino	Link	Link
GPS_Clock_Dual GPS_Clock_Single GPS_Clock_Plus	STM32 Blue Pill	320 x 240 TFT LCD	GPS	Arduino	Link	Link Link Link
WWVB_Clock	STM32 Blue Pill	320 x 240 TFT LCD	WWVB	Arduino	Link	Link
GPS_Clock	ATmega 32u4	7-segment LED	GPS	Arduino	Link	Link
GPS_Clock2	ATmega 32u4	16 x 2 character LCD	GPS	Arduino	Link	Link

Let me know if you build any of these!

73, Bruce.