

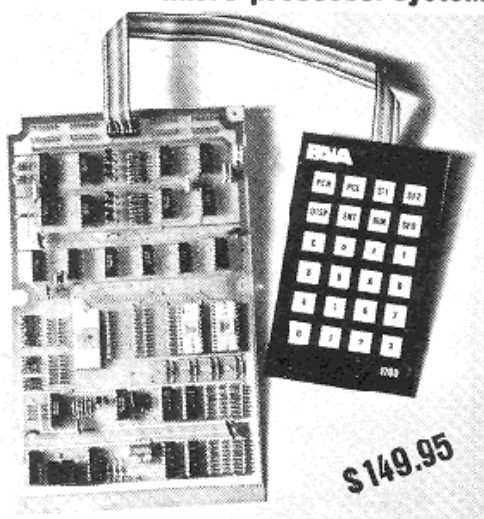
PAiA computer music

Infosheet PAiA

COMPUTER MUSIC WITH OR WITHOUT THE COMPUTER !

THE **PAiA** 8700 COMPUTER / CONTROLLER

An exceptional price on an
applications oriented 6503 based
micro-processor system



**THE IDEAL, LOW COST SOLUTION TO IMPLEMENTING
THOSE WILD COMPUTER BASED CONTROL SYSTEMS
YOU'VE BEEN DREAMING OF!**

PAiA software currently available or under development includes: Music synthesizer interface; Home applications package including: multi-zone fire/burglar alarm, real time clock, energy saving heat/air conditioning control, computer generated "door-bell"; Model railroad controller and more.....

8700 COMPUTER/CONTROLLER KIT \$149.95
(requires 5v. @ 1.2A. ; 12v. @ 150 ma.)

Shipped direct from PAiA (add \$3.00 postage)

Also available at FULL LINE computer stores

DETAILS IN OUR FREE CATALOG

PAiA • DEPT. 8-P • 1020 W. Wilshire Blvd. •
Oklahoma City, OK 73116

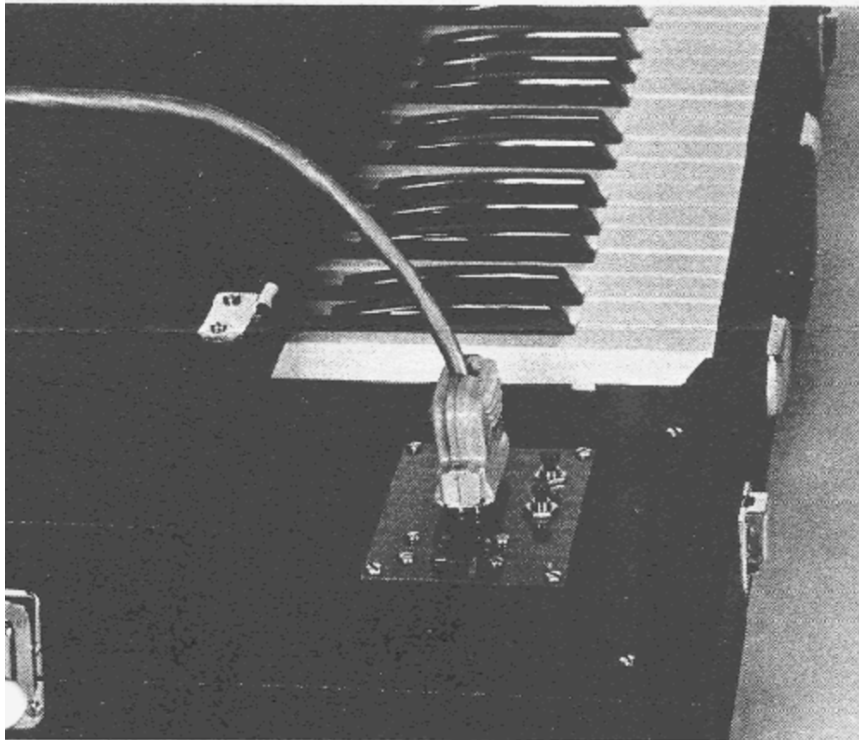
CIRCLE NO. 43 ON FREE INFORMATION CARD

EQUALLY TEMPERED DIGITAL TO ANALOG CONVERTER

Unlike more conventional R-2R ladder type digital to analog converters, the PAIA 8780 kit is based on a multiplying principle that allows the module to generate the exact exponential stair-step function required to make even the simplest linear response oscillators and filters produce equally tempered musical intervals. The 8780 uses only six bits of data to generate over 5 octaves of control voltage. In an 8 bit system, the remaining 2 bits are ordinarily reserved for trigger flags, but may be used to extend the range of the converter or provide micro-tonal tunings.

The module is physically and electrically compatible with the complete line of PAIA music synthesizer modules and is easily interfaced to any micro-processor with or without hand-shaking logic.

8780 D/A CONVERTER Kit..\$34.95 (plus \$1.00 postage)





THE PAIA HIGH LEVEL LANGUAGE FOR COMPUTER MUSIC DATA ENTRY (We call it a keyboard)

An n key roll-over scanning matrix encoder tied to a 37 note AGO keyboard provides 6 bits of data and both STROBE and $\overline{\text{STROBE}}$ control outputs. Input control lines to the encoder include SCAN (starts and stops encoder clock), RESET, START and RANDOM making the keyboard universally applicable to all computer/processors from the very largest to the very smallest.

NO COMPUTER? The encoded keyboard can be directly interfaced to the PAIA 8780 Equally Tempered Digital to Analog converter to provide an infinite hold Sample and Hold device. The keyboard contains its own power supply for stand-alone applications.

Housed in a trim and sturdy vinyl covered road case, the kit consists of all parts including keyboard, power supply and detailed assembly instructions; software overview for computer applications and detailed instructions for Digital Sample and Hold.

#8782 ENCODED KEYBOARD ... \$109.95 20 lbs
shipped freight collect

WITH A COMPUTER

Both the 8780 D/A and the 8782 Encoded Keyboard easily interface to any processor providing capabilities and control never before possible with music synthesizers.

