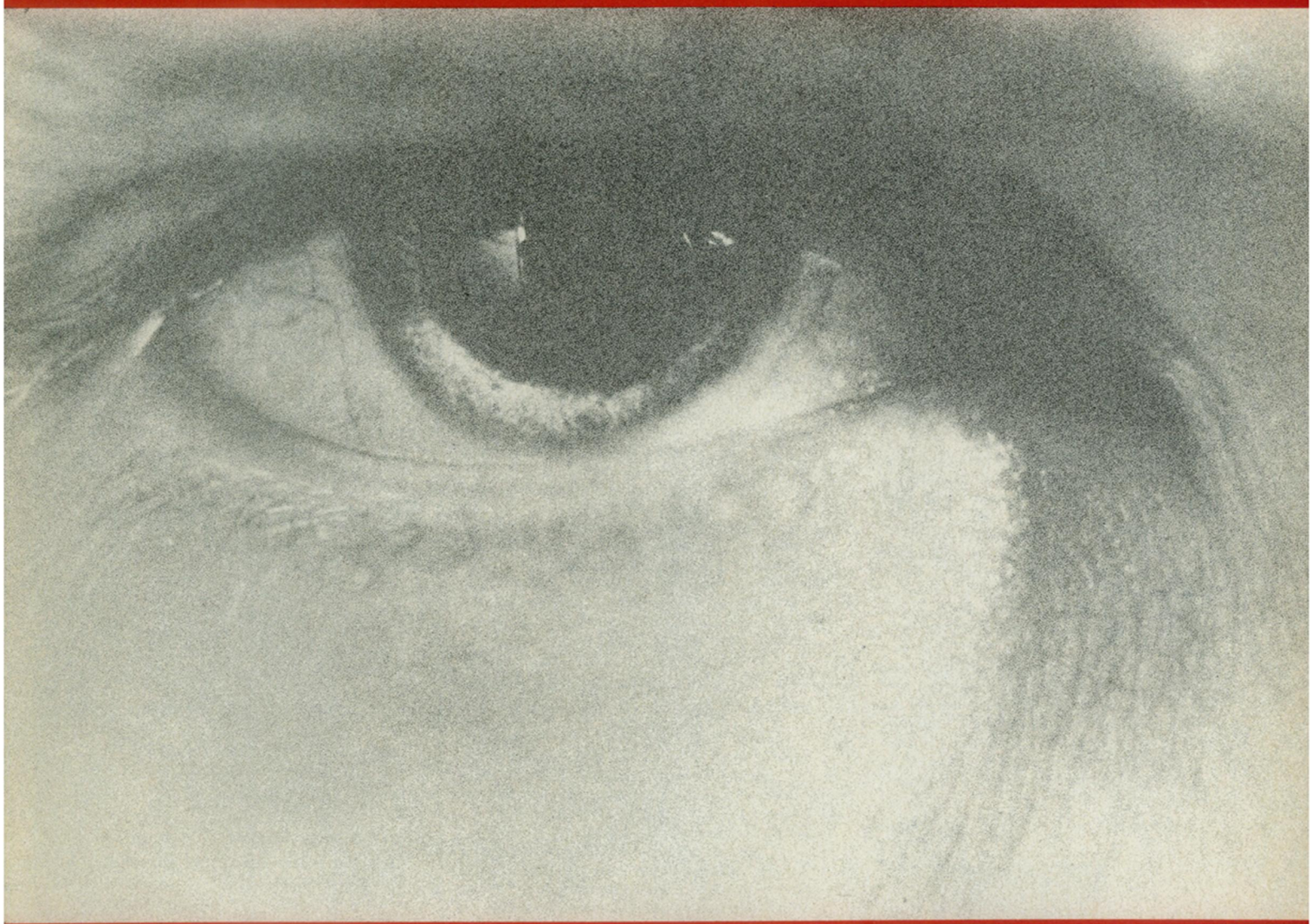
SCIENCE NEWS

SEPTEMBER 9, 1978
VOL. 114, NO. 11



Eyeing Cocaine

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The Sinclair Cambridge Programmable with library of 294 programs. A mere $29.95

How pocket calculators grew up

A couple of years ago, calculators took a step forward. Programmability transformed the slick slide-rule calculator into an advance scientific machine.

Sadly, it also transformed an inexpensive aid into a $100 — $200 capital investment.

Now the Sinclair Cambridge Programmable puts programmability where it belongs; in the palm of your hand, for less than $30.

The features of the Sinclair Cambridge Programmable

The Cambridge Programmable is genuinely pocketable. A mere 4-½" x 2", it weighs about 2 oz. and operates on a 9 volt battery (available anywhere).

Yet there is absolutely no compromise in the package of functions it offers.

Because the Cambridge Programmable is both a scientific calculator with memory, algebraic logic and brackets (which means you enter a calculation exactly as you write it), and a programmable calculator which offers simple, flexible through-the-keyboard program entry and operation.

The Cambridge Programmable has a 36-step program memory, and features conditional and unconditional branching (go to and go if negative).

There is also a step facility, which allows you to step through the program to check that it has been entered correctly. If there is any programming error, the learn key allows you to correct single steps without destroying any the remainder of the program.

To achieve this, each program keystroke has an identifying code, or 'check symbol'. (The symbols for the digit keys are the digits themselves, while the symbols for the operator keys are letters printed beside the keys.)

The check symbol for ⊟, for example, is F. So if, as you step through the program, the display shows

it means that ⊟ is programmed as step 26. If step 26 should have been ⊞, all you have to do is press

puts machine into 'learn' mode. **the correct step**

It's as simple as that!

These facilities make the Cambridge Programmable exceptionally powerful, whether it's running programs you devise or programs already available to you through the 294 Program Library included when you purchase the calculator.

You can use the optional 294-program library to tailor the machine to your own specialty

Like a full-size computer — and unlike far more expensive specialist calculators — the Sinclair Cambridge Programmable can be programmed to handle calculations concerned with any specialty. In fact, once it's programmed, figures can be produced by an operator who need not understand the program!

To save you time, and to help inexperienced programmers, Sinclair has produced a library of 294 programs ready to be entered straight into the calculator.

Using these standard programs, the Cambridge Programmable solves problems from quadratic equations (where the program gives both real and imaginary roots) to twin-T filter design, and from linear regression to bond yields. It even plays a lunar landing game!

Why the Cambridge Programmable costs so little

The Sinclair Cambridge Programmable uses the Sinclair talent for miniaturization to the fullest — as you'd expect from the company that pioneered the truly pocketable pocket calculator, and recently introduced the world's first pocket TV.

Chip and circuitry design are unique to Sinclair. Shipped direct, and sold to you direct, the Cambridge Programmable accumulates no middleman's profits on the way.

The result is a pocket programmable calculator of advanced design, sold by Sinclair with a Sinclair 1-year complete guarantee, at a price unmatched by any comparable calculator.

10-day no-obligation offer

There's a lot more to this remarkable calculator than a brief written description can cover.

You need to see it and handle it . . . to program it yourself in a few seconds to save you hours . . . to check its performance against tables and graphs . . . to test the full range of programs available . . . to evaluate. An excellent engineering tool. Also can be used as an educational aid in developing a student's computer understanding.

Send your check or money order with the order form below, and you ll receive a calculator direct. Use it for 10 days, and if you don't feel it's the finest $29.95 you've ever invested, send it back for refund.

There's nothing to lose, and so much calculating power to gain.

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924 ANACAPA STREET, DEPT. S-515, SANTA BARBARA, CA 93101

Please promptly send me _____ Sinclair Cambridge Programmable(s) @ $29.95 (plus $3 postage & insurance) ea. I have the option of returning it within 1 week of receipt for an immediate refund.

☐ Also include _____ AC line adapter(s) @ $4.95 ea.

☐ Also include _____ 294-Program Library Set(s) @ $10 per complete set.

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- **40 Winners will share $89,500 in Westinghouse Science Scholarships and Awards.**
- **300 Honorable Mentions will be brought to the attention of all colleges, universities and technical schools in the U.S.A.**
- **Hundreds of students automatically will receive recommendations and other assistance toward a college education in schools within states holding State Science Talent Searches.**
- **For all students, a sense of accomplishment and a measure of self-evaluation that comes from finishing a hard assignment.**

ABOUT THE SCIENCE TALENT SEARCH

More than 11,500 students have been members of the Winners and Honors Groups in the past 37 years. Because of their standing in this oldest and most prestigious competition of its kind, they have been offered scholarships from institutions seeking quality students with proven ability in science and engineering. Many winners in the Science Talent Search are offered summer employment in scientific laboratories and other tokens of early acceptance into the world of science and engineering. Such benefits also come frequently to members of the Honors Group and to those who place in State Science Talent Searches.

ANSWERING YOUR QUESTIONS

Who May Compete? Any boy or girl who is in his last year of secondary school (public, private, parochial) in the United States and Puerto Rico, who is expected by the certifying school official to complete college entrance qualifications before October 1, 1979 and who has not competed in any previous Science Talent Search is eligible to enter this competition.

How Can Students Compete? Teachers or other school officials must request entry materials for the outstanding science and mathematics students of the school.

What Is A Completed Entry? A project report of about 1,000 words which presents evidence of research ability in science or engineering; a Personal Data Blank filled in by student, teachers and principal; national test scores and high school transcript.

How Are Entries Judged? Judging is based primarily on the student's report on an independent research project in the physical sciences, engineering, mathematics, biological sciences (excluding live vertebrate experimentation), or behavioral sciences.

What Is The Deadline? Entries must reach Science Service by Midnight, December 15, 1978

Get your students to start working on projects NOW

RURAL SOCIOLOGY
PARISITOLOGY
PALEONTOLOGY
MINERALOGY
COMPUTERS
SOIL MECHANICS
BIOCHEMICAL ENGINEERING
CULTURAL ANTHROPOLOGY
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ASTROPHYSICS
GENETICS
GEOPHYSICS
NUMBER THEORY
MECHANICAL ENGINEERING
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INDUSTRIAL PSYCHOLOGY
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LOGIC
BIOMETRY
CELLULAR CHEMISTRY
CELL PHYSIOLOGY
BIOPHYSICAL CHEMISTRY
BIOENERGETICS
INVERTEBRATE NEUROPHYSIOLOGY
CHEMICAL ENGINEERING
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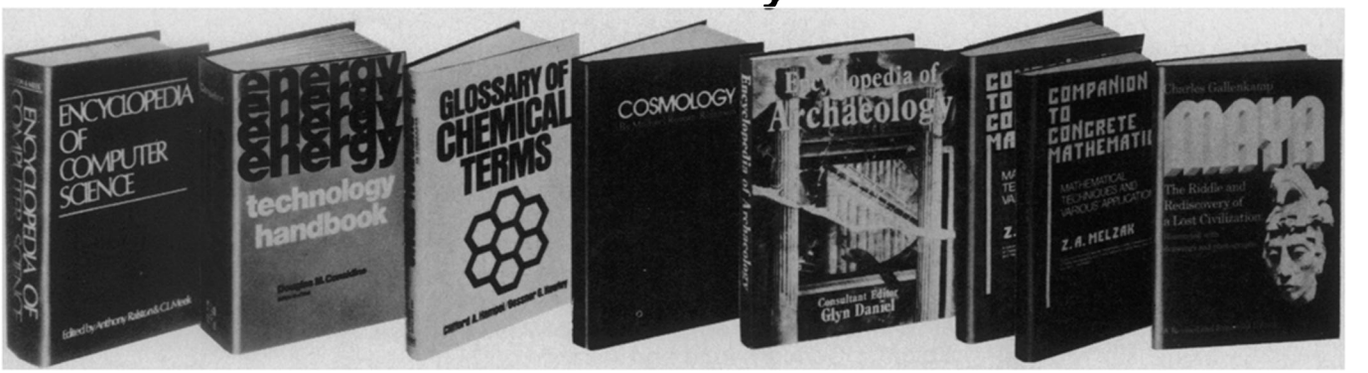

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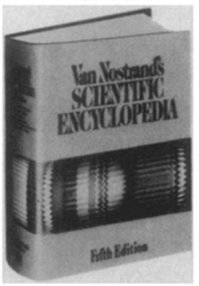

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