

15¢

\$5.50 A YEAR

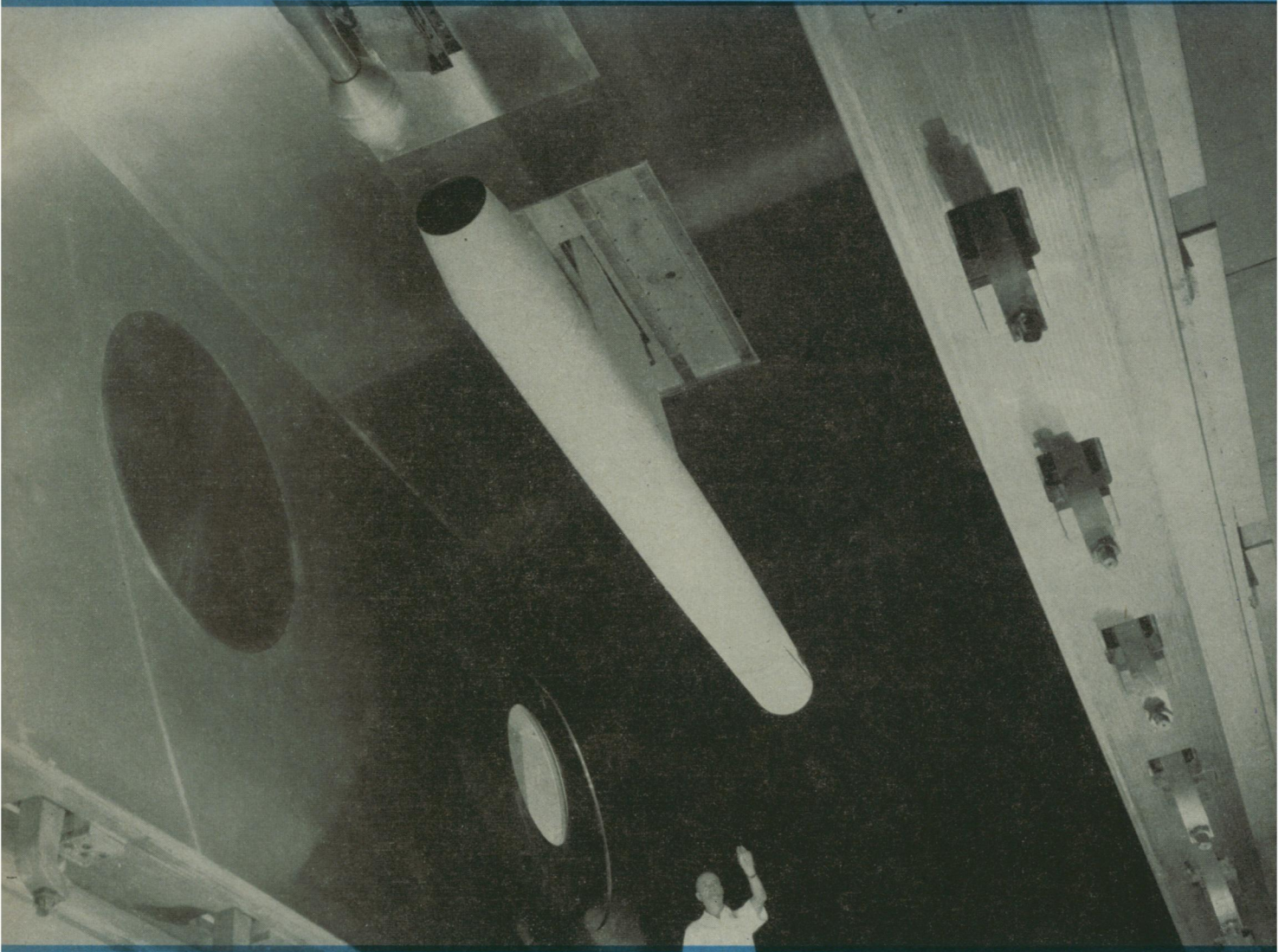
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# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE



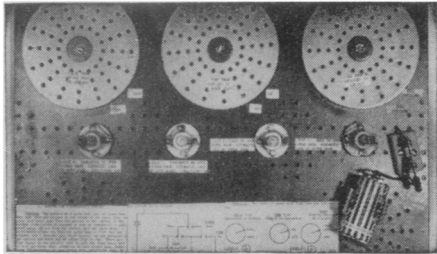
## Ramjet Test

See Page 339

A SCIENCE SERVICE PUBLICATION

# WHY IS GENIAC

—The Electric Brain Construction Kit—  
The Most Perfect Graduation Gift?



*This is the control panel of GENIAC set up to solve a problem in symbolic logic analysis.*

We think it's because GENIAC is the only kit and text combination that presents the basic ideas of cybernetics, boolean algebra, symbolic logic and computer circuitry so simply that a twelve year old can construct what will still fascinate advanced students.

The partial list of our institutional purchasers below indicates a cross section of our customers. GENIAC is not only an excellent classroom demonstrator but it provides hours of fun abuilding. As such it makes a perfect graduation present for the science minded teen-ager. As a father-son project it can't be beaten.

GENIAC is sold to all customers on a one week return guarantee. You may actually use it in that time, returning it as is if you decide not to keep it.

**Order yours now only \$19.95**

Some of the 33 GENIACS you can build from the completely detailed instruction manual are:

- LOGIC MACHINES: Comparing; Reasoning; Syllogism Machine; Intelligence Tester.
- GAME PLAYING MACHINES: Tic-Tac-Toe; Nim (Think you can beat the machine?).
- ARITHMETICAL MACHINES (Binary and Decimal): Adder; Subtractor; Multiplier; Divider; Arithmetical Carrying.
- CODE MACHINES: Secret Coder; Secret Decoder; Combination Locks.
- SIMPLE MACHINES: Burglar Alarm; Automatic Oil Furnace Circuit.
- PUZZLE SOLVERS: The Space Ship Airlock; The Fox, the Hen, the Hired Man and the Corn; The Uranium Shipment and the Space Pirates.
- ACTUARIAL: Douglas MacDonal'd's Will.

GENIAC parts are specially manufactured to high tolerance; they include a special six deck switch of unique design and over 400 components plus a book "GENIACS SIMPLE ELECTRICAL BRAIN MACHINES AND HOW TO MAKE THEM." GENIAC is a remarkable buy for

**only \$19.95**

Kit and instructions are returnable for full refund in seven days. This is a perfect father and son project; your whole family and your friends will enjoy the finished machines. You can design new computers from the adaptable parts.

----- MAIL THIS COUPON -----

SCIENCE KITS, Dept. SL31, Oliver Garfield Co., 126 Lexington Ave., New York 16, N. Y.

Please send me:

- 1 GENIAC Electric Brain Construction Kit and Manual.
- \$19.95 (East of Mississippi) .....
- \$20.95 (Elsewhere in United States) .....
- \$21.95 (Outside the United States) .....

Returnable in seven days for full refund if not satisfied. I enclose \$.....in full payment.

My name and address are attached.

## SOME FIRMS AND INSTITUTIONS THAT HAVE ORDERED GENIAC:

- Allis-Chalmers
- Remington-Rand
- International Business Machines
- Wheelindex Mfg. Co.
- Manuel Missionary College
- Walter V. Clarke Associates
- Barnard College
- Westinghouse Electric
- Phillips Laboratories
- General Insurance Co. of America
- Lafayette Radio
- Rohr Aircraft Co.
- Southwest Missouri State College
- Fibreglass Corp.
- Stamford Research Institute
- The Heath Co.
- American Management Assoc.
- De Pauw University
- Adams State Teachers College
- Abercrombie and Fitch
- Kleinschmidt Laboratories
- Kansas State Teachers College
- Albert Einstein Medical College
- Naval Research Laboratories
- Board of Education, Tecumseh, Nebraska
- Marshfield Public Schools
- Los Angeles Public Schools
- Jefferson Union High School
- Oklahoma A&M
- Kansas City University
- Duke University
- Coral Gables Senior High School
- Courtland Jr. High School
- Bell Telephone Laboratories
- Lovell Public Schools
- Clearwater High School
- St. John's Seminary
- Orange County Community College
- Morningside College
- New Hampshire Public School
- Kentucky Wesleyan College
- University of Ottawa

... and hundreds of other individuals and institutions