

Do You Know?

A *silicone coating* applied to laboratory glassware dries as a clear hard skin that is resistant to acids and organic solvents.

In spite of toothpastes, fluorine and scientific advances, *tooth decay* remains one of mankind's most prevalent diseases.

The island of St. John, Virgin Islands, is noted for its near-perfect *climate* with an average annual temperature of about 78 degrees Fahrenheit, and a difference of only about six degrees between winter and summer.

Synthetic *gems* are superior to real gems for industrial use because they are perfect.

A special type of ground glass has been developed to furnish *potassium* to plants slowly and for prolonged periods.

The 1956 fall census showed 588 *trumpeter swans* in the American flock at Red Rock Lakes Refuge and national parks and forests nearby.

Australian *eucalyptus trees* are adaptable to a wide range of soil conditions, temperatures and altitudes, and have great value in soil-fixation programs and as shelter belts.

Questions

ASTRONOMY—What is suggested composition of clouds on Venus? p. 359.

HEMATOLOGY—Why might many otherwise normal women be considered anemic? p. 359.

MEDICINE—What is anaphylactic shock? p. 357.

PUBLIC HEALTH—How is anthrax passed from animals to man? p. 358.

VITAL STATISTICS—What changes have occurred in cancer death rates during the last ten years? p. 360.

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MEDICINE

No Help for Colds In Citrus Chemicals

► CITRUS PEEL CHEMICALS, called bioflavonoids, do not, contrary to a recent report, prevent or shorten the course of common colds or make the sufferer more comfortable, five doctors report on the basis of two separate studies.

These latest, unfavorable reports appear in the *Journal of the American Medical Association* (Nov. 24). They are from Drs. Warren L. Franz and Henry L. Heyl of Dartmouth Medical School and the Hitchcock Foundation, Hanover, N. H., and Drs. Harry E. Tebrock, New York, Joseph J. Arminio, Ossining, N. Y., and John Howard Johnston, West Hartford, Conn.

Science News Letter, December 8, 1956



ONLY \$29.95 POSTPAID

is 550 to 1600 kc. Its small size (2¾ in. long, 1¾ in. wide and ¾ in. thick) and weight (2.5 oz. with batteries) make it well suited for wearing on the wrist or in a shirt pocket. Completely assembled with all batteries.

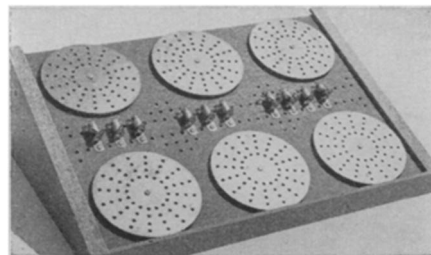
Wrist Radio Weighs 2.5 oz.

All-transistor wrist radio receiver

A broadcast band all-transistor wrist radio has been designed with r-f reflex circuit to provide good selectivity and sensitivity. Three transistors are used which require 4.5 ma total battery current and five button-size mercury cells last up to 100 hours. The receiver features a 2-stage transformer-coupled audio amplifier and a no-whistle regenerative circuit. A high quality hearing aid receiver allows for private listening. Printed circuitry is used throughout. Band coverage

DEPT. 5L-63 **OLIVER GARFIELD CO.** 126 LEXINGTON AVENUE NEW YORK 16, N. Y.

Can you think faster than this Machine?



Control panel of GENIAC set up to do a problem in space ship engineering

Be careful before you answer. GENIAC, the first electrical brain construction kit, is equipped to play tic-tac-toe, cipher and encipher codes, convert from binary to decimal, reason in syllogisms, as well as add, subtract, multiply and divide. Specific problems in a variety of fields—actuarial, policy claim settlement, physics, etc., can be set up and solved with the components. Connections are solderless and are completely explained with templates in the manual. This covers 33 circuits and shows how new ones can be designed.

You will find building and using GENIACS a wonderful experience; one kit user wrote us: "this kit has opened up a new world of thinking to me." You actually see how computing, problem solving, and game play (Tic-tac-toe, nim, etc.) can be analyzed with Boolean Algebra and the algebraic solutions transformed directly into circuit diagrams. You create from over 400 specially designed and manufactured components a machine that solves problems faster than you can express them.

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will find these excellent demonstrators of circuitry, solutions in symbolic logic, theory of numbers, cybernetics, and automation.

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Send for your GENIAC kit now. Only \$19.95 with over four hundred components and parts, fully illustrated manual and wiring diagrams. We guarantee that if you do not want to keep GENIAC after one week you can return it for full refund.

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\$19.95 (East of Mississippi) _____

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My name and address are attached.