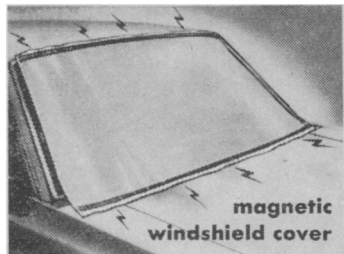


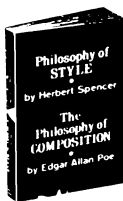
## SNOW, ICE FLIP OFF LIKE MAGIC!



- Jumbo size magnetic covers
- Protect windshield—rear window
- Keep your view crystal clear

Through winter's worst storms your parked car will be protected! Return to find the windshield and rear window free of ice, snow . . . your driving-view crystal clear! Flip the tough, opaque vinyl guard across windshield—powerful magnets grip hood, roof . . . stays put! Buy two—one for the windshield, one for the rear window! #59964 Deluxe 60x34" Cover, leatherette case, \$3.98; 2/7.50. #60004 Standard 48x30" Cover \$1.98; 2/3.89.

**BRECK'S OF BOSTON**  
J15 Breck Bldg., Boston Mass. 02210



## WRITE FOR MONEY!

Enrich your style through Herbert Spencer's and Edgar Allan Poe's classic principles that have influenced many of the world's great authors. Indispensable for writers eager to get published! Send \$1.00 to PAGEANT PRESS, 101 5th AVE., N. Y. 3, Dept. SN.

## SURPLUS SATELLITE BATTERIES 99¢ each



These Government surplus storage battery cells are nickel-cadmium sintered plate type used in satellites and missiles due to characteristics not possessed by any other battery, i.e. Lifetime service, constant voltage during discharge, extreme temperature ranges, discharges in any position, compact, high discharge rates (up to 25 times ampere hour capacity), no corrosive fumes, not harmed by storage, overcharging and freezing.

CELLS ARE 1.25 V. EA. REGARDLESS OF TYPE. Replace with these cells to operate any equipment using dry or wet batteries where portability, dependability, and ruggedness are requisites. Select cells from list to best fit application.

### NICKEL-CADMIUM PLASTIC CASED CELLS:

Esse Type	Ampere Hours	Dimensions	Inches	Wgt.	Condi-	Esse
		Height	Width	Depth	(N) New (U) Used	Price
AH4	4-6	6.00	2.00	.5	6 U*	\$ .99
AH6*	6-10	4.5	2.625	.688	8 U*	2.95
AH8	6-10	4.5	2.625	.688	8 N	4.95
AH20N	20-30	8.12	3.12	1.06	40 U*	4.95
AH60N	60-80	11.25	5.00	1.38	104 U	14.95
AH100	100-120	9.25	6.775	2.125	168 N	20.00
AH180N	180-200	9.5	8.1	3.2	300 N	25.00

Types ending in 'N' are nylon cased; others are acrylic plastic.

### NICKEL-CADMIUM STEEL CASED CELLS:

Type M-30, size 8.875 x 3 x 1.750, Wt. 3½ lbs. 30 AH. Used\* \$2.95.

Aircraft 28 V. Battery made up with 20 of these cells—Used\* \$60. Overall size 10" x 10". Wt. approx. 60 lbs.

### IRON-NICKEL:

Type B-4 Edison, 30 AH, 6 V. battery of 5 cells in hardwood rack, used—\$25. Overall size approx. 18" x 10" x 6". Approx. wt. 50 lbs.

CHARGER FOR 6 V. OR 12 V. BATTERIES. Charges at 1 amp. rate which is ideal for all types of cells above or auto batteries—\$4.99 ea.

Guarantee: All cells are guaranteed for satisfaction or your money back except cells marked with an asterisk (\*) which are sent as received from used Government stocks and are not checked before shipping.

SEND FOR FREE PAMPHLET.

**ESSE RADIO COMPANY**

368 S. Meridian St., Indianapolis, Indiana 46225

## INVENTION

# Current U.S. Patents

► PLATFORMS FOR DRILLING oil from the ocean's bottom are usually laborious to construct and beset by the troubles of stormy seas. However, a prefabricated platform patented by Gerald F. Borrmann of LaFayette, Calif., is claimed to eliminate such problems. The platform is built on shore before it is towed out to sea. Hollow legs filled with water swing the structure upright and sink it to the ocean bottom, where it is secured with piles.

The entire installation operation takes only a few hours, compared to the days required for other methods, during which a storm could halt work.

Four platforms are now in use, forerunners of the many expected to be put into operation. In model tests, the platform was found to be usable at a depth of 400 feet. Previous platforms could be built for only about 100 feet.

The structure can be cut loose and towed to another spot for exploratory drilling. Cost amounts to one million dollars per hundred feet.

Rights to the invention, awarded patent number 3,209,544, were assigned to the California Research Corporation, San Francisco, now named "Chevron."

## Diver's Wireless

A wireless communications system for divers earned patent 3,210,723 for Luigi Martelli and Carlos Reinberg, both of Genoa, Italy.

**3 for \$1.00 p.p.**

**SWISS KNIFE SHARPENER**

**SCISSORS SHARPENER**

**HARRY ROSS** Scientific & Lab. Projects  
61-L Reade St., N.Y. 7, N.Y.

## LANGUAGES? Easy!

Listen & Learn. Only course designed for travel, everyday life. 3 12" records, full of practical phrases, English & language recorded. Full manual with record text, phonetic transcription. Separate sets: Spanish, French, German, Italian, Russian, Japanese, Portuguese, Greek. \$5.95 each. Money-back guarantee. Dept. SNL, Dover, 180 Varick St., N.Y. 14, N.Y.

## MICRO-ADS

Equipment, supplies and services of special interest to scientists, science teachers and students, science-minded laymen and hobbyists. 25¢ per word, payable in advance. Closing date 3 weeks prior to publication (Saturday).  
SNL, 1719 N St., N.W., Washington, D.C. 20036

**BINDERS FOR SNL — BUFF-COLORED BUCKRAM.** Snap-in metal strips hold 52 copies. \$4.00 pp. Send order with remittance to Science News Letter, 1719 N Street N.W., Washington, D.C. 20036.

**BOOKS ON TREES AND SHRUBS. COMPREHENSIVE list.** Lew's, 2510 Van Ness Ave., San Francisco, Calif. 94109.

**FINEST RUBBER STAMPS MADE AT SUPERFAST SERVICE.** Free illustrated folder. Kersey's, 1216 East Lee Drive, Santa Maria 4, California.

**SCIENCE EXPERIMENTS FOR BOYS AND GIRLS.** 70 pages. \$1.00. How to select, perform, exhibit an experiment. Includes 50 basic experiments. Star Book Agency, 9512 Overwood, Dallas, Texas 75238.

**SURPLUS OPTICS-ELECTRONICS CATALOG.** 72 pages 20¢. Meshna, Nahant, Mass.

The device is a combination mouthpiece, amplifier, and sound converter, contained in a single package small enough to be carried easily by the diver.

The inventors claim the wireless transforms sound energy to pass through both water and air without special expensive equipment.

## Magnetic Reader

A new computer for reading magnetic documents was assigned a patent by the U.S. Patent Office.

The magnetic reader is designed as a link between a company's remote sources of information and its data processing machinery. Its advantage over other types of mechanical readers is its durability.

Magnetic records do not deteriorate as do paper or cards and can be used many times over.

Manufacturing plants with fixed data on production schedules, costs, and payrolls are expected to profit most from the invention.

Besides reading documents, the device will correlate material from various sources and reduce the amount of human work required.

Donald R. Daykin, granted patent 3,210,527, assigned patent rights to International Business Machines Corporation, New York.

## Other Interesting Patents

Anyone desiring to keep track of more than one century as well as all the leap years should have the multiple-century calendar for which Arthur S. Burkert of Arlington, Va., was awarded patent 3,209,478.

A television rating system designed to survey attitudes, emotions and number of viewers earned patent 3,210,472 for Ira Kamen of New York, who assigned rights to the interrogation system to Teleglobe Pay TV-System, Inc.

Lazy youngsters can get their exercise the easy way, by rolling out of a rocket-shaped shell into the swimming pool, using the device for which George Hjelte of Los Angeles, Calif., was awarded patent 3,210,077.

• Science News Letter, 88:270 October 23, 1965

## Do You Know?

A child's grave dating back to 100 A.D. has been discovered on the Swedish island of Oland on the Baltic.

Complications involving the eye due to diabetes have made this disease the third most common cause of blindness.

A well-preserved mammoth tooth, unearthed in central Sweden, is believed to be about 30,000 years old.

More than 400 persons in the United States are killed or injured by lightning yearly.

• Science News Letter, 88:270 October 23, 1965