

CLASSIFIED

Classified advertisements are accepted for the following classifications; Books, Business Opportunities, Camps, Colleges, Micro Ads, Personals, Positions Wanted, Services, Travel. All advertisements must be consonant with the character of Science News. Rates . . . single insertion 25¢ a word. Minimum charge is \$5.00. Count 2 extra words for Box and Numbers. Classified advertising is payable in advance. Closing date 3 weeks prior to publication (Saturday).

Employment opportunities are accepted at regular display rates, subject to agency commission. Minimum size 1 inch. Minimum charge \$18.90 per inch. Rate cards available upon request.

To speed up insertion, address classified advertising . . . Classified Ads. Science News. 1719 N Street, N.W. Washington, D.C. 20036

BOOKS

BOOKS ON NEAR EAST—List of Bibliographies and Monographs. University of Miami Press, Coral Gables, Florida. 33124.

BOOKS ON CONSERVATION—Wild Life Preserves in U.S.S.R., \$3.00. Scientific Use of Natural Areas, \$3.00. Field Research Projects, Box 585, Miami, Fla. 33133.

HOW TO FIND INDIAN ARROWHEADS. New book tells how, where, when to look. Fully illustrated, \$2.00. Canyon Publishing, Canyonville, Oregon 97417.

FASCINATING BIRD BOOK. This big "Birds of Australia" book has more than 70 full-color large photographs, including such unusual, exotic, beautiful birds in native habitat as the Lorikeet, Crimson Rosella, Boobook Owl, Lyrebird, Kookaburra, 65 others; with full descriptions, big map of Australia, 16" x 11", 44 pages. A permanent, colorful, fascinating addition to your library. Comes to you from Melbourne by Sea Mail. Send only \$2 to Bird Book, The Australian, SN, 230 West 41st Street, New York, N.Y. 10036.

BUSINESS OPPORTUNITIES

FOR SALE home and shore property on Matinicus Island \$20,000.00. For information write or phone Mrs. Harold Bunker, Matinicus, Maine. 366-2481

MONEY-MAKING OPPORTUNITIES for scientific photographers. Need color transparencies on insects, reptiles, fishes, birds, minerals—anything showing natural technological wonders. Usefulness of transparency determines payment. Ambassador College Photo Library, 363 Grove Street, Pasadena, California.

DISTRIBUTORSHIPS OPEN—\$20,000 to \$24,000 a year income. Send qualifications to M&J Research Company, 1607 W. 24th, Box 2, Lawrence, Kansas.

COLLEGES

ALASKA SUMMER ADVENTURE—weekday study, weekend tours. B.A., M.Ed. Write Registrar, Alaska Methodist University, Anchorage 99504

MICRO ADS

TECHNICAL CHEMICALS and laboratory apparatus catalog 20¢. MB Laboratories, Box 1922. Phila., Penna. 19105

FAIRCHILD SEQUENCE CAMERA \$75.00. Cost government \$650.00. Send 25¢ for our surplus optics-electronics 82 page catalog. Meshna, Nahant, Mass. 01908.

PERSONALS

THE AUSTRALIAN, famous quality national newspaper, sent to you in U.S., lets you follow business, all other developments in go-ahead, strategic "down-under" continent. Excellent as reference and pulse-feeler for companies, libraries, investors, teachers, tourists . . . and you. Saturday Weekend Edition has literary and performing arts articles and criticism, big business financial section with frequent company profiles, reports. Weekend Sea Mail Edition, 1 year \$7.50; 6 months \$4. Daily except Sunday, Sea Mail, 3 months \$12. The Australian, SN, 230 West 41st Street, New York 10036.

SPACE MEDICINE

Space Monkey Study To Add Detailed Data

► **BRAIN WAVES** recorded five months ago for more than 50 hours during Astronaut Frank Borman's Gemini 7 flight may not be fully understood until a macaque monkey makes a similar flight early in 1967 to provide more data.

Substantially more comprehensive instrumentation, not feasible for use in man, can be placed in deep body structures of the monkey, before it is launched from Cape Kennedy as part of the biosatellite program. Data on the effects of prolonged space flight in an animal trained to perform tests of perception, recent memory and hand-eye coordination would be of use in later manned flights.

Tape recordings from the study on Astronaut Borman were submitted to extensive computer analysis. They clearly revealed drifting of consciousness toward drowsy states and showed the patterns of sleep.

Dr. W. R. Adey and his team at the Brain Research Institute, University of California, Los Angeles, collaborated on the Borman study with Drs. P. M. Kellaway and R. Mulsby of the Methodist Hospital, Houston, Texas.

Two pairs of recording electrodes were secured to shaved areas of the scalp on the rear half of the astronaut's head. Analysis of flight records began 15 minutes before launch and indicated an increasing "arousal reaction" up to and following launch, lasting for about 40 minutes. There was persistent orienting reaction to the novel and potentially hazardous environment of space flight.

Actual sleep on the first "night" in space was limited to a brief period of about half an hour with much time in a drowsy state. On the second "night" sleep began very rapidly after a brief drowsy period and descended rapidly to a deep state, followed by gradual lightening over the next 90 minutes in a typically normal cyclic fashion.

Three such cycles ensued before the astronaut awakened. Further records relating to sleep and wakefulness would be of great value in assessing work cycles.

• Science News, 89:404 May 21, 1966

PERSONALS

GOLD CRYSTALS—a dazzling, growing display of the purest, rarest form of gold. Beautiful, unique, educational. \$7.00. Dark Canyon, Williams, Ore.

WANTED—someone to take over my registered trademark—"Better Baby"—Langdon—#4, Bolivar—Lido Park.—Newport Beach—Calif. 92660.

THE AMERICAN PLAN for World Peace requires Unesco's Esperanto. Text, record etc. loaned Free, Esperanto Library, Dept SN. Middleton, Wis, 53562.

TRAVEL

VISIT REMOTE MATINICUS ISLAND in Maine. For information on housekeeping cottages and rooms, write Mrs. Harold Bunker, Matinicus, Maine 04851.

Nature Note

Bamboo: Giant Grass

► **TALLEST** of the grass family, the slender bamboo unfolds its graceful feathery leaves in tropical and subtropical climates throughout the world. Some hardy species exist in colder climates, and every continent except Europe can boast its own native species. South Asia is richest in variations of native bamboos, the Americas are second, while Africa has very few.

The bamboos are probably the fastest growing species of the higher plants. A combination of cell-division and cell-stretching all along a two-foot growing zone on the stem can produce as much as a foot of new stem a day. Some bamboos can grow over 100 feet in two or three months, whereas other trees may take more than several decades to grow as high.

The fragile-looking bamboo is actually one of the strongest woody materials for its weight. Strengthened by silica, the hollow stems are impervious to moisture, are more durable than wood of the same weight, and resist tearing 10 times as well as ordinary wood.

For many centuries the light-green and golden bamboo has proven indispensable to man for cooking and building huts and bridges.

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Double Your Reading Speed?

A noted publisher in Chicago reports there is a simple technique of rapid reading which should enable you to double your reading speed and yet retain much more. Most people do not realize how much they could increase their pleasure, success and income by reading faster and more accurately.

According to this publisher, anyone regardless of his present reading skill, can use this simple technique to improve his reading ability to a remarkable degree. Whether reading stories, books, technical matter, it becomes possible to read sentences at a glance and entire pages in seconds with this method.

To acquaint the readers of this publication with the easy-to-follow rules for developing rapid reading skill, the company has printed full details of its interesting self-training method in a new booklet, "How to Read Faster and Retain More" mailed free to anyone who requests it. No obligation. Simply send your request to: Reading, 835 Diversey Parkway, Dept. 2645, Chicago, Ill. 60614. A postcard will do. Please include your zip code.