

selection and treatment of a wide range of topics, from astrophysical phenomena to receiver and antenna design.

THE RAT: A Practical Guide—T. A. G. Wells—Heinemann (Dover), 77 p., illus., \$1.35. Laboratory guide, presents the practical work necessary to illustrate mammalian anatomy by dissecting the rat.

RELATIVITY FOR ENGINEERS AND SCIENCE TEACHERS—Laurence H. A. Carr—MacDonald (Ginn), 52 p., diagrams, \$1.95. Simple text-book explanation of the meaning of the Special Theory of Relativity suitable for the average engineer.

SOUND CONTROL AND THERMAL INSULATION OF BUILDINGS—Paul Dunham Close—Reinhold, 502 p., illus., \$17. Intended to cover the fundamentals of two major subjects plus essential design data and product information, including application details. A general reference for architects and contractors, as well as textbook.

A SOURCEBOOK FOR THE BIOLOGICAL SCIENCES—Evelyn Morholt, Paul F. Brandwein and Alexander Joseph—Harcourt, 2nd ed., 795 p., illus., \$9.75. Substantially revised, incorporates materials of the BSCS, developing concepts in photosynthesis, respiration, heredity in microorganisms, gross anatomy and biochemistry of cells. Contains 340 new photographs and drawings of many organisms rarely shown in high school biology textbooks.

SPACETIME PHYSICS—Edwin F. Taylor and

John Archibald Wheeler—Freeman, W. H., 208 p., illus., \$4.75. Lucid presentation of the geometry of spacetime, momentum and energy, and the physics of curved spacetime, the text is based on an honors undergraduate physics course.

THE SUN AND STARS—John C. Brandt—McGraw, 161 p., plates, illus., \$4.95; paper, \$2.50. Written primarily for the undergraduate student majoring in the physical sciences, the treatment emphasizes the physical principles of the properties, structure and evolution of stars.

TROPICAL AFRICA TODAY—George H. T. Kimble and Ronald Steel—Webster Div., McGraw, 138 p., photographs, maps, paper, \$3.95. Adapted from the original Twentieth Century Fund study, this greatly condensed and updated version is making authoritative material available to students.

WATER AND WASTEWATER ENGINEERING, Vol. 1: Water Supply and Wastewater Removal—Gordon Maskew Fair, John Charles Geyer and Daniel Alexander Okun—Wiley, multi-paged, diagrams, charts, \$13.50. For students and practitioners of civil and sanitary engineering, this treatise stresses the science of water and wastewater engineering, dealing with water systems, rainfall and runoff, ground water flow, surface-water collection and optimization techniques.

WEATHER STUDIES—L. P. Smith—Pergamon Press, 131 p., illus., \$4.50; flexi cover \$2.45. Describes essentially a number of experiments students may perform studying the practical aspects of weather as a branch of elementary physics.

ZOOLOGY

Of Gerenuks and Dibatags

JABBERWOCKS, jubjub birds and bandersnatches come from Wonderland. Gerenuks, cokes and dibatags come from Africa and soon will be living throughout the United States after a three-month stopover on the New Jersey shore.

Exotic zoo animals boarded a ship in Kenya a few months ago and headed across the ocean, stopping at various ports along the way. When they reached New York they were forbidden to come ashore because, the U.S. Department of Agriculture ruled, they had pulled into ports where they might have picked up infectious hoof-and-mouth disease.

And so, nyalas, beisa oryx, cape buffalo, Kongoni, Thompson gazelles, Grant's gazelles, giraffes and a wildebeeste, along with gerenuks, cokes and a \$10,000 dibatag were quarantined at Fort Slocum on a small island in Long Island Sound.

For 60 days these rare visitors have been under observation by scientists from the U.S. Department of Agriculture, which will foot most of the \$60,000 to \$80,000 hotel bill. Their stay at Fort Slocum was unevenful except for the birth of two baby beisa oryx one of which died shortly after birth.

After a 30-day pre-entry quarantine period at USDA's station at Clifton, N.J., the animals will be transferred to

their respective zoos if given a clean bill of health.

Suffering from emotional trauma, many of the animals were overexcited, did not eat properly and generally had a difficult time adjusting. Most seemed to be all right, but three of the original 59 died. Including the baby oryx, there are 57 animals at present.

Most of the new "Americans" are hoofed animals of the gazelle or antelope family. The dibatag, probably the first of its kind to come to the United States, inhabits only a small region in eastern Ethiopia. A deep cinnamon color, it has long everything—neck, legs, tail and forward-hooked horns.

Cokes, looking like hairless gnu (which look like lanky water buffalo), are very friendly folk, found prancing over open plains with zebras, antelope and hartebeest cousins.

Dr. Theodore Reed of the National Zoological Park, Washington, D.C., told SCIENCE SERVICE that the two gerenuks in the group (a male and female), are destined for the Nation's Capital. They are delicate, browsing members of the antelope family and will grow to be five or six feet tall. Bananas are a staple of their diet in captivity, often complemented with fresh leaves.

Gerenuks apparently never need to drink water.



American Museum of Natural History

Gerenuk

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