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The **GAME** for **THINKERS**




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2. Two of these numbered statements are not true.
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Books of the Week

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ADVANCES IN EARTH SCIENCE—P. M. Hurley, Ed.—M.I.T. Press, 502 p., illus., \$20. A major book on theoretical aspects of geophysics, examining the interrelationships between the various layers of the earth and its outer environment, ranging from the solar surface to the upper mantle of the solid earth.

THE AIRSHIPS AKRON & MACON: Flying Aircraft Carriers of the United States Navy—Richard K. Smith—U.S. Naval Institute, 228 p., illus., \$12.50. A critical examination of the two rigid airships and their hook-on planes in naval operations in the period 1919-1940.

ALLOWING BEHAVIOR AND EFFECTS IN CONCENTRATED SOLID SOLUTIONS—T. B. Massalski, Ed.—Gordon & Breach, 445 p., illus., \$22.50; paper, \$9.50. Articles dealing with electron theory, quantum mechanical calculations, stacking faults, and long-period superlattices.

THE AMATEUR ARCHAEOLOGIST'S HANDBOOK—Maurice Robbins with Mary B. Irving—Crowell, 273 p., illus., \$6.95. Intended as a practical guide to archaeological methods for the U.S. amateur who considers taking up the hobby of archaeology in an orderly and professional manner.

APPLIED BESSEL FUNCTIONS—F. E. Relton—Dover, 101 p., paper, \$1.85. Reprint (1946).

AUDUBON IN THE WEST—John Francis McDermott, Ed.—Univ. of Okla. Press, 131 p., illus., \$4.95. Collection of Audubon's annotated letters to his family, revealing many hitherto unknown details of his last expedition in 1843.

THE CHANDALAR KUTCHIN—Robert A. McKennan—Arctic Inst. of North America (Quebec, Canada), 156 p., illus., maps, paper, \$4. Results of anthropological field work among the Chandalar Kutchin Indian settlement of an Arctic village.

CHEMICAL THERMODYNAMICS IN NONFERROUS METALLURGY, Vol. 3—Ya. I. Gerasimov, A. N. Krestonnikov and A. S. Shakhov, transl. from Russian—I.P.S.T. (Clearinghouse), 237 p., paper, \$6. Deals with the thermodynamics of tungsten, molybdenum, titanium, zirconium, niobium, tantalum and their compounds.

CINCINNATI LOCOMOTIVE BUILDERS, 1845-1868—John H. White—Smithsonian Institution (GPO), 167 p., illus., \$2. U.S. National Museum

monograph, presenting a case study of the industry as practiced west of the Alleghenies before the Civil War.

COMMUNITY HEALTH: Its Needs and Resources—John D. Porterfield, Ed.—Basic Bks., 250 p., \$4.95. A team of experts explains public health as it is practiced in the United States.

DEVELOPMENT, GROWTH AND STATE OF THE ATOMIC ENERGY INDUSTRY: Hearings 1965—Joint Committee on Atomic Energy, Chet Holifield, Chmn.—GPO, 617 p., illus., paper, \$2. Statements of witnesses submitted to the 89th Congress.

DIVORCE STATISTICS ANALYSIS: United States, 1962—Alexander A. Broel-Plateris, Div. of Vital Statistics—FHS (GPO), 56 p., paper, 40¢. An analysis of the national divorce statistics for 1962 and of the personal characteristics of husbands and wives divorced in Hawaii, Iowa, Tennessee and Wisconsin during the years 1960 and 1961.

EARTH AND SPACE SCIENCE—C. Wroe Wolfe and others—Heath, 630 p., photographs, diagrams, \$6.20. A secondary school text that explores the frontiers of geology, astronomy, meteorology and oceanography.

FIELD BIOLOGY AND ECOLOGY—Allen H. Benton and William E. Werner, Jr.—McGraw, 2nd ed., 499 p., illus., \$9.50. Introductory textbook and reference for the amateur biologist.

FOREST-SOIL RELATIONSHIPS IN NORTH AMERICA—Chester T. Youngberg, Ed.—Oregon State Univ. Press, 532 p., illus., \$8. Conference papers by soil scientists and foresters presenting soil and tree-growth relationships, soil survey operations, seasonal patterns of nutrient absorption and other research.

GENETIC POLYMORPHISM—E. B. Ford—M.I.T. Press, 101 p., \$4.75. This monograph develops the theory of one of the most important and widespread aspects of variation in animals and plants, describing experiments and observations to exemplify the principles involved.

THE INSULIN MAN: The Story of Sir Frederick Banting—John Rowland—Roy Pubs., 140 p., \$3.50. Juvenile biography.

INTERPRETIVE SPECTROSCOPY—Stanley K. Freeman, Ed.—Reinhold, 295 p., diagrams, \$17.50. Expert discussion of the limitations as well as the advantages of the spectral field of ultraviolet, infrared and far infrared, mass spectrometry and proton nuclear resonance spectroscopy.

INTRODUCTION TO THE ATMOSPHERE—Herbert Riehl—McGraw, 365 p., illus., \$8.95. Offers a concise yet thorough view of the field of atmospheric science, conceived both as a text for the university student and a reference to engineers and professional men and women whose work requires an understanding of the atmosphere.

THE ISRAEL COMMUNIST PARTY and the Elections for the Fifth Knesset, 1961—Moshe M. Czudnowski and Jacob M. Landau—Hoover Institution, 101 p., paper, \$1.50. A study of party composition, means of propaganda and election pattern.

LIFE AROUND US—Fritz-Martin Engel, transl. from German by J. R. Foster—Crowell, 206 p., plates, illus. by author, \$6.95. A richly illustrated guide for the general reader, looking at a wide variety of living organisms that adapt to the ways of life on the earth's crust.

MARQUESAN SEXUAL BEHAVIOR—Robert C. Suggs—Harcourt, 251 p., photographs, \$5.95. An anthropological study of Polynesian practices.

METHODS OF THERMODYNAMICS—Howard Reiss—Blaisdell Pub. Co., 217 p., \$8.50. Intended as an auxiliary text for senior or first-year graduate level course, with emphasis on problem areas in the study of the subjects.

THE MISSILE CRISIS—Elie Abel—Lippincott, 220 p., photographs, \$4.95. Illustrated with the original photographs from Defense Department files, this account follows the hour-by-hour development of the action-filled 13 days of the Cuban crisis.

THE NATURE OF HYPNOSIS: Selected Basic Readings—Ronald E. Shor and Martin T. Orne, Eds.—Holt, 504 p., illus., \$10. Brings together 34 papers relevant to scientific elucidation of the hypnotic process.

NO ROOM FOR BEARS—Frank Dufresne—Holt, 252 p., illus. by Rachel S. Horne, \$6. About habitat and habits of Alaskan grizzlies, polar bears and black bears.

PROBLEMS OF SPACE RADIO COMMUNICATION—N. T. Petrovich and Ye. F. Kanver, transl. from Russian—NASA (Clearinghouse), 262 p., paper, \$6. Considers the use of artificial satellites and the moon for the creation of global and local ground communication systems of various types, and two-way radio communication between the earth and spacecraft.

THE PROTECTION OF TRANSMISSION SYSTEMS AGAINST LIGHTNING—W. W. Lewis—Dover, 422 p., illus., paper, \$2.75. Reprint (1950) with new appendix reporting on recent changes in basic insulation levels and transmission-line operating voltages.

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RADIO SCIENCE: Special Issue on Planetary Atmospheres and Surfaces—W. E. Gordon, Ed.—NBS (GPO), 187 p., illus., paper, \$1. This last issue of the NBS J. of Research, Sec. D., deals with Jupiter as observed at long and short radio waves, passive radio observations of the other planets and the moon, and radar observations of moon and planets.

RADIO SCIENCE, Vol. 1, No. 1—J. R. Wait and L. A. Manning, Eds.—ESSA (GPO), 129 p., illus., paper, \$1; monthly, \$9 annually. January 1966 issue, now published by the Environmental Science Services Administration, replacing the National Bureau of Standards as co-sponsor with the U.S. National Committee of the International Scientific Radio Union.

SCIENCE REFERENCE SOURCES—Frances Briggs Jenkins—U. of Ill. Grad. School of Library Science (Illini Union Bookstore), 4th ed., 159 p., paper, \$2.50. A guide to more than 1,300 representative bibliographical and reference tools arranged by subject.

SEVENTH INTERNATIONAL MINERAL PROCESSING CONGRESS, Vol. 1—Nathaniel Arbiter, Ed.—Gordon & Breach, 611 p., illus., \$45. Technical papers presented September 20-24, 1964, sponsored by the American Institute of Mining, Metallurgical and Petroleum Engineers and Columbia University in conjunction with The Centennial of the School of Mines.

WEATHER AND CLIMATE MODIFICATION: Problems and Prospects, Vols. I and II—Panel on Weather and Climate Modification, Gordon J. F. MacDonald, Chmn.—NAS-NRC, 28 p., 198 p., paper, \$5 per set. Volume I of the final report to the Committee on Atmospheric Sciences contains summary and recommendations, Volume II assesses research and development findings on which the panel based its conclusions.

WEATHER AND CLIMATE MODIFICATION: Report of the Special Commission on Weather Modification—A. R. Chamberlain, Chmn.—National Science Foundation, 149 p., paper, single copies free upon request direct to NSF, 1800 G Street, N.W., Washington, D.C. 20550. Summarizes present scientific possibilities, biological implications, the social effects, legal aspects, international and organizational considerations. See story p. 67.

WORLD POPULATION PROBLEMS—Philip M. Hauser—Headline Series No. 174 (Foreign Policy Assn.), 46 p., illus., paper, 75¢. Well-known sociologist discusses population prospect, economic and political implications, and gains and outlook in population control.

• Science News Letter, 89:108 February 12, 1966

Nature Note

Barnacles

► ONE ODD ANIMAL of the sea lies on its back during most of its life, attached to a rock or ship, and kicks food into its mouth with its feet.

The barnacle appears on wharf pilings, anchors, ship hulls and ocean rocks where the tides ebb and flow.

Members of the class Crustacea of the phylum Arthropoda, some barnacles are shaped like small rough volcanoes, others are like wagging heads of geese, and still others are parasitic and live within a crab's body.

When young, barnacles swim freely in the water, but soon attach themselves to a rock or pier, and secrete a hard limy shell. From then on the barnacle cannot move by itself from place to place.

The volcano-like barnacle, *Balanus*, feeds itself by stretching out feathery feet through a conical opening and combing the water for food.

Gooseneck barnacles, *Conchoderma*, grow in bunches on wharves and pilings. With their lime-plated clam-like bodies attached to flexible leathery stalks, they look like miniature geese heads stretching out to sea.

The parasites, *Sacculina*, are strange species of barnacles which live inside bodies of certain crabs on the Atlantic and Pacific Coasts. These growing parasites extend a mass of root-like fibers throughout the crab's body, altering it into a female form regardless of its inherited sex. Here, they live a protected and nourished life.

• Science News Letter, 89:109 February 12, 1966

Make Money Writing Short Paragraphs

Chicago Man Reveals a Short Cut to Authorship

Discloses little-known angle by which beginners often get paid five to ten times more per word than the rates paid to famous authors. Now anyone who can write a sentence in plain English can write for money without spending weary years "learning to write."



FOR years and years a relatively small number of people have had a "corner" on one of the most profitable authors' markets ever known. They've been going quietly along selling thousands and thousands of contributions. None of them have had to be trained authors. None of them have been "big name" writers. Yet, in hundreds of cases they have been paid from five to ten times as much per word as was earned by famous authors.

The successful men and women in this field had such a good thing that they kept it pretty well to themselves. Mr. Benson Barrett was one of these people. For years he enjoyed a steady income—made enough money in spare time to pay for a fine farm on the outskirts of Chicago.

Finally, Mr. Barrett decided to let others in on the secret. Since then he has shown a number of other men and women how to write for money. He has not had to give them any lessons in writing. He has not asked them to go through any long course of study or practice. In fact, most of his protégés have started mailing contributions to magazines within two weeks after starting with his plan.

Mr. Barrett says that the only skill required is that the aspiring author be able to write a sentence in plain English. Almost anyone with a common school education can write well enough to follow Mr. Barrett's plan, because the contributions you will send to magazines are rarely more than one paragraph in length.

Shut-ins, housewives, folks who are retired on small incomes, even employed men and women who like to use idle hours in a constructive way—all types are making money on short paragraphs.

Mr. Barrett does not teach you to write. He shows you *what* to write, *what form* to put it in, and *who to send it to*. He shows you a simple method for *getting ideas* by the hundreds. He gives you a list of more than 200 magazines that are looking for this kind of material and will buy from beginners. In other words, he teaches you a method, an angle, a plan for starting to write right away for money.

IF you would like to see your writing in print and get paid for it—just send your name on a postcard to Mr. Barrett. He will send full information about his plan of coaching by return mail—postage prepaid. He makes no charge for this information. And, no salesman will call on you. You decide, at home, whether you'd like to try his plan. If the idea of writing twenty or thirty short paragraphs a week and getting back a lot of small checks appeals to you, ask Mr. Barrett for this information.

No telling where it might lead. Such a small start might even open opportunities for real authorship. And, since it can't cost you anything more than a postcard, you'll certainly want to get all the facts. Address postcard to Mr. Benson Barrett, 6216 N. Clark St., Dept. 163-B, Chicago 26, Illinois.