ments in the 10 months since the International Conference on Family Planning was held. The Conference Proceedings are the closest approximation to the current status of the great transformation that is now in process, but they are already historic and will be antiquated soon except as base-line documents. The magnitude of man's numbers in future decades is now uncertain, not alone because of the declining death rates and the delicately balanced relations between economic and political developments and population growth but because—on the one hand-the birth rates in the world's high fertility areas can no longer be assumed as inviolate, tied to the traditional verities of ancient cultures and beliefs, and—on the other—the availability of means does not insure automatic solutions to problems of population growth.

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Cetology

Whales, Dolphins, and Porpoises (University of California Press, Berkeley, 1966. 805 pp., \$15), edited by Kenneth S. Norris, contains 33 papers that were presented at the First International Symposium on Cetacean Research held in Washington, D.C., in August 1963. These papers, each of which relates to a different facet of cetology, reflect the increased interest in research on marine mammals in the last decade or two.

Cetaceans present a combination of many barriers to study that are not encountered in most other kinds of organisms. The size of some, their habitat, and their general availability, as well as the relative rarity of certain species, are just a few of these. Despite the numerous factors unfavorable to research, amazing advances have been made in our knowledge of whales, porpoises, and dolphins in recent years. This is especially true with respect to their physiology, means of communication, behavior, distribution, and migration. Some of this is accounted for by the economic value of the animals themselves. The blubber and flesh of the larger species are still sought and are of considerable commercial value. The fact that cetaceans have an advanced type of mammalian brain and can be rapidly trained to perform remarkable and amusing feats has led to their use as performers in captivity. This in itself has largely been responsible for much of our most recent information on cetacean underwater communication. Likewise, most information regarding the physiology, behavior, and learning ability of cetaceans has been the result of studies on captive individuals.

The symposium, whose participants have their papers included in this volume, was presided over by L. Harrison Matthews, the scientific director of the Zoological Society of London. The published results are very logically divided into seven parts: (i) Systematics, distribution, and natural history; (ii) Anatomy, physiology, and sea animal propulsion; (iii) Underwater observation and recording; (iv) Communication; (v) Echolocation and recognition; (vi) Practical problems; (vii) Behavior. Part 6 pertains to a round-table discussion on the capture and care of cetaceans, in which five persons, including the editor (formerly curator of Marineland of the Pacific), participated. The significance of this phase of the symposium is obvious because most studies, other than those that pertain to anatomy or taxonomy, are dependent upon healthy captive animals.

Nine countries were represented at the symposium, which was the first of its type. It was sponsored by the United States Office of Naval Research and conducted by the American Institute of Biological Sciences.

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Marine Biology

This third volume of Advances in Marine Biology (Academic Press, New York, 1965. 412 pp., \$13.50), edited by Sir Frederick Russell, contains four papers: "Learning by marine invertebrates" by M. J. Wells; "Effects of heated effluents upon marine and estuarine organisms" by E. Naylor; "Aspects of the biology of the seaweeds of economic importance" by A. D. Boney; and "Marine toxins and venomous and poisonous marine animals" by Findlay E. Russell. Two articles are applied in orientation; Boney's treatment of seaweeds is probably of more general biological interest, while Naylor's discussion of heated effluents is the shortest and least satisfactory of the four. However, it must be noted that the study of effects of warm effluent water has hardly begun and that in a field where the interest of industry is at stake it is not always easy to accumulate objective information. The contribution on learning by invertebrates is a well organized, analytical article, while that on toxins and venoms is primarily a catalog. All of these articles are useful summaries, but each is intended for a different group of readers, and I wonder if the potential usefulness to interested individuals justifies publication in this expensive manner.

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Introductory Business Statistics

Statistical Methods (Panstwowe Wydawnictwo Ekonomiczne, Warsaw: Pergamon Press, New York, 1965. 666 pp., \$17.50.), by Stefan Szulc, covers roughly the ground of an introductory text in economic or business statistics, with a few additional topics thrown in. The substantial size of the book is due neither to these extra topics nor to an advanced treatment of any of the subjects covered, but to an approach that develops every topic from the ground up, as it were. No previous knowledge or training on the part of the reader is assumed. Discussion, once started, is continued at length until the topic is brought to, but never beyond, an elementary level.

Among the conventional subjects covered by the author are frequency distributions, graphical representations, measures of location and dispersion, analysis of time series, index numbers, correlation, and sampling. Curvilinear correlation and life tables are given a little more attention than is usual. Statistical inference is virtually ignored, except for a few pages inserted in the section on sampling.

The level of presentation can be illustrated by the treatment of index numbers. This is restricted very nearly to simple aggregative (Laspeyres and Paasche), quantity-weighted price indexes and price-weighted quantity indexes. There is, of course, no suggestion of possible anomalies resulting from the use of administratively set prices as weights for quantities, nor that anything other than prices could be used as weights. A footnote that promises new developments ("Since this