1939, died September 13 at his home in Princeton after a long illness.

Selig Hecht, 55, professor of biophysics, Columbia University, and a wellknown authority in the field of vision, died September 18 of a coronary thrombosis at his home in New York City.

The British Association for the Advancement of Science, under the auspices of its Division for Social and International Relations of Science, on May 10 held a conference on "The Place of Universities in the Community." The following resolution, proposed by Sir Henry Dale, president of the Association, and passed unanimously, has since been approved by the Council: "This Conference recommends to the Council of the British Association that they should make representations to the competent authorities of all Universities of the British Commonwealth, urging that no contract should normally be accepted by the Scientific Departments of these Universities, if its terms include any restriction on freedom of publication."

Ludwig Silverberg remains unlocated in Europe. A recent search failed to disclose his whereabouts. Dr. Silverberg left Germany in 1936, and until recently his address has been "The Hague, Netherlands." Since further information is desired concerning some of his inventions, any assistance which can be given in locating Dr. Silverberg would be greatly appreciated. Communications should be addressed to: Reed Research, Inc., 1048 Potomac Street, N.W., Washington 7, D. C.

Make Plans for-

American Public Health Association, October 6-10, Atlantic Citq, New Jersey.

7, 2 Park Avenue, New York City.

American Academy of Ophthalmology and Otolaryngology, October 12-17, Chicago.

American Association for the Advancement of Science, 114th Meeting, December 26-31, Chicago, Illinois.

This communication is written in the hope of opening a constructive discus- minor and major surgery on hundreds of sion of che editing of scientific papers. manuscripts; who have, in special cases, That the subject deserves airing is certain as when highly important results were from the continued grumbling we all hear poorly presented, literally rewritten an and often swell. As editor of several jour- article completely. (One condensed, by nals and contributor to many more. I have rewriting, a 75-page manuscript, by a man both sinned and been sinned against. At senior in age and achievement, into one of the moment, several adventures in publi- 23 pages.) And no anguished cries recation have put me more on the sinned sulted. On the contrary, it was generally against side, which prompts this note. It true that the more drastic the operation, will be restricted to the problem of form; the more grateful the subject. The reason? content is an independent subject.

Every journal is entitled to insist on certain style uniformities. If a certain find an incorrect page number in an obspelling of a word (fiber rather than fibre) scure reference questioned by the editorial is preferred, if particular abbreviations office; who have been delighted to have are used or rejected (hr. for hour, but not headings of comparable tables recast into % for percent), if a particular form of comparable form, and pleased to note literature citation is demanded, the au- correction of misspellings or of infelicitous thor who objects should submit his paper constructions; who have been sadly tolerelsewhere. Good sense should prevent an ant, mostly, when commas have been deunyielding application even of such rules leted or adjectives substituted (for some -"'Hrs. later conduction failed," or even, sprinkle their commas and choose their "After hrs. ...," would hardly do; but the words with considerable care, and the editor is arbiter of usage. Further, no au- results are as intended); and who have thor will complain about correction of been, sometimes, extremely annoved errors in spelling, punctuation, grammar, when sentences have been recast, material citation, fact (providing they are errors); omitted, style altered, meaning changed. and few, about suggestions of improved Why annoyed? Because the critical condisentence structure, or organization, or tion was not always adhered to. even the nuances of style. But here the pendulum swings over, and the author, what appears in his journal. The author not the editor, has become final arbiter. should have final say as to what appears The editor may only suggest.

solely on the basis of obscure or verbose quate opportunity exists for exchange of presentation, or may offer to accept it sub- reasons and preferences. In a case I know ject to improvement, or may generously of, an invited article in a symposium on a American Association of Cereal detail the revisions demanded for accept- highly controversial issue, the editor made Chemists, New York Section, October ability and others recommended for im- many and serious changes from the origprovement of the presentation. The deci- inal manuscript. The author restored the sion is then the author's: to submit his original form in galley proof and wrote a paper elsewhere, to sweat over it further full explanation of his wish to retain his (perhaps with the aid of a more literate presentation. This letter was not acknowlcolleague), or to welcome the editor's edged and some of the objectionable ediproffered help and accept those revisions torial changes remained in the published which seem good to him. There is one article. absolute essential in editor-author relations that I am saving for the "punch manuscript. Let him alter it to the best of line"; with that operative, the balance his ability and his available time. Let him indicated can work admirably.

I know editors who have performed Adherence to the critical condition.

I know authors who have been awed to

The editor should have final say as to under his name. Between reasonable men An editor may properly reject a paper agreement is readily attained, when ade-

> By all means, have the editor "vet" each indicate which changes are demanded if

SCIENCE, September 26, 1947

COMMENTS by Readers

judged highly desirable, which are minor be expected to mention the work. Since five further periods of oviposition. Howsuggestions. (All this is also applicable to the studies were carried out with large ever, 115,000,000 eggs 0.05 mm. in content of an article, although this is less numbers of patients and occupy several diameter (W. R. Coe. Biol. Bull., 1932 often altered.) And then, if any question hundred pages of journal space, with 63, 428) would amount to a solid mass of of the acceptability of the changes to the many fully charted case reports, it is about 8 cc. and would presumably reauthor be possible, insist that the edited obviously desirable that they be called quire an ovary of about double this manuscript, not proof, be returned early to to the attention of modern nutritionists volume.' From the data of C. Grave the author for his consideration. (R. W. and physiologists. 'GERARD, Department of Physiology, University of Chicago.)

paper is converted into vegetable parch- oz. of green vegetables, and 2 oz. of ment. Under similar conditions (oc- butter for 3 days will clear the urine of unusually great, since V. L. Loosanoff and casionally in the presence of formalde. sugar and the blood of hyperglycemia in J. B. Engle (Bull. U. S. Bur. Fish., 1937, hyde), cotton is transformed into a 99 per cent of all cases" (Indian J. 33, 230) report a maximal average variety of Heberlein fabrics. Such treat- med. Res., 1919-20, 7, 81-147). The diet thickness of 9 mm. for any 6-oyster ment of other cellulose fibers, e.g. esparto, was then slowly built up until the caloric sample on any date and an average of flax, jute, sisal, plywood (prior to folding), content was adequate, and eventually only 4 mm. for 19 samples on the best etc., would lead to a wide range of new the patients were allowed to increase the date. The volume of a gonad 7 mm. thick materials possessing useful and attractive rice in the diet. However, it was also in an oyster 3.7 inches long seems unlikely properties. Increased tensile strength, stated that "in the treatment of diabetes to have been as much as 10 cc., and the waterproofing, and general durability in India the value of green vegetables volume of packed eggs which it could should add to the value of thread and ply- cannot be too highly appraised." wood and result in a further development of textile and constructional material. McCay studied were deficient in one or evidently believed) Galtsoff's oyster had In the case of wood, owing to its ligni- more vitamins. Certainly his findings discharged only about one-fifth of its fied condition, some preliminary treatment should be confirmed or denied in terms of ripe eggs, the absolute quantity dismay be necessary, although not so drastic modern nutritional knowledge. If any charged might well have been only 0.8 cc.. as that employed in the purification of assessment has, in fact, been made, no or 11,500,000, instead of 115,000,000. wood pulp. The single fine layers of ply- doubt others would like to hear of it. wood should respond readily to such pro- (VAN R. POTTER, University of Wiscon- would be about 2 cubic inches. About 110 cessing without impairing its original me- sin Medical School.) chanical structure. (MAURICE COPISAROW, 1 Gildridge Road, Manchester, England.)

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cose tolerance tests in vitamin-deficient of Ostrea virginica, estimated animals (O. H. Gaebler and W. E. Cis- 50,000,000-60,000,000 by W. K. Brooks zewski. Endocrinol., 1945, 36, 227; A. (Rep. Comm. Fish. Md., 1880, p. 14) and Chesler, E. Homburger, and H. E. Him- T. C. Nelson (Bull. N. J. agric. exp. Sta., wich. J. biol. Chem., 1944, 153, 219; S. 1921, 351, 8), has more recently been Banerjee and N. C. Ghosh. J. biol. placed at 500,000,000 by P. S. Galtsoff Chem., 1947, 168, 207) do not refer to a (Science, 1930, 72, 97-98). Computation series of papers published by McCay of the volume represented by various (D. McCay, et al. Indian J. med. Res., numbers of eggs suggests that the order 1916, 4, 1-27; 1918-19, 6, 485-549; 1919- of magnitude of the later estimate may be 20, 7, 22-80, 81-147). I came across too high. McCay's papers fortuitously, and it seems probable that the later authors were not estimate of 115,000,000 eggs discharged aware of the vast amount of work that at a single spawning. The gonad of this had been done on human subjects at an medium-sized individual was still 7 mm. earlier date. Nor have I been able to thick after this discharge and was confind any reference to these studies in sidered to contain sufficient ripe ova for

the article is to be accepted, which are books, reviews, or textbooks that might the spawning season's estimated four or

patients who were losing 50 to 150 grams appear that Galtsoff's individual probaof glucose daily in their urine were made bly had a total body-volume of only about aglycosuric within 2 or 3 days. The pa- 15 cc. Therefore, it seems likely that the tients were first restricted to a diet of number of eggs discharged was miscalmilk, vegetables, and butter for a few culated, perhaps by misplacing a decimal By the regulated action of sulfuric acid days: "One to two pints of milk, 12-16 point.

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Egg number is a matter of interest in fishery biology, especially through its relation to mortality rates. The maximum Recent reports on the results of glu- usual number of ripe eggs in an individual at

Galtsoff's value was based on an

(Rep. Shellfish Comm. Md., 1912, 4, 42) McCav reported many cases in which on cubic content of ovsters, it would

A layer of gonad 7 mm. thick would be have accommodated would probably not One might surmise that the patients be as much as 5 cc. Therefore, if (as he

The solid volume of a half billion eggs such masses would fill a gallon. Allowing for looser packing in the ovary and for the nonovarian content of the animal, it seems probable that an oyster of size to contain 500,000,000 eggs would be one of some 40/gallon at smallest. The largest recognized commercial category of oyster ("extra large") is defined at 160/gallon. Galtsoff's oyster was evidently a "select" of about 270 count.

It is, of course, possible that, by continued gametogenesis after the inception of spawning, an oyster might during a single season produce eggs in excess of its own volume. However, available reports do not make clear to what extent this might occur in Ostrea virginica, and this possibility was evidently not the basis of Galtsoff's estimate. (MARTIN D. BURKENROAD, Survey of Marine Fisheries of North Carolina.)

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