communicated the facts to me.

Folliculinids fasten their dwellings to all sorts of inanimate and animate objects. Some seem to have uncanny ability to search out concealed places and may establish their dwellings within those in association with the latter that they have been found in India.

droids, like plants branching, and firmly has "no reason to doubt his identification fixed to objects of the ocean floor. Among of the infusorians he found on the hythese the genera called Tima, Eirene, and droids of Port Canning." Phortis are much alike, and even specialists have not agreed as to which ences to the occurrence of folliculinids name to use. MacCrady, the pioneer stu- in some corner of the world may remain dent of jellyfish in America, described a hidden in the vast literature. Should anyspecies of Phortis from Charleston, South one discover such hidden records, I would Carolina, and W. K. Brooks, in his studies greatly appreciate being guided to them. was able, in 1883, to rear the hydroid University, Baltimore, Maryland.) phase from this same rare jellyfish.

Another species of Phortis shines with exceptionally strong blue-green phosphorescence. In 1905 Browne took from the sea off Ceylon a jellyfish he named Eirene ceylonensis; however, Mayer, in his Jellyfish of the world, decided that this was really a *Phortis*—a conclusion also reached by N. Annandale when in 1915, as and cannot be used for the identification superintendent of the Indian Museum, he of species. In fact, the tendency among reared from this jellyfish the little hydroid mycologists today is to regard the he had discovered in 1906 and identified Sporotrichum pathogenic to man as one as Campanulina. The same sort of jelly- species. fish taken from the sea off Ceylon by Browne suddenly appeared in great num- senting examples of S. schenckii, S. moved from the sea though connected at tricha all have a common antigenic factor. SH group of cysteine. The glutamyl one point with the tidal waters of the rains probably further diluted the brack- burg.) ish water. From these little jelly-fish less than an inch in diameter were reared the Campanulina hydroids, scarcely visible to the naked eye. In this study the work of Annandale was continued the title "Hydrozoon Campanulina cey- tion to an interesting circumstance which Santiago, Chile.)

buried in accounts of other animals that lonensis (Browne)" (Rec. Ind. Museum, I did not find mentioned in the literature it has only recently been exhumed by H. Calcutta, 1916, 12, 49-57). We quote from available to me, i.e. the remarkable Shrinivasa Rao, Deputy Fisheries Ad- Lloyd's detailed account the following structural resemblance between peniviser to the Government of India, who sentence-sole evidence of the occurrence cillin and glutathione. In fact, the thiaof folliculinids in India: "The hydroid zolidine ring of penicillin may be imfirst found at Port Canning was living in agined as resulting from a double ring association with the protozoan *Folliculina* closure between the β -methyl group of and this organism also occurred among cysteine and the amino group of glycine the colonies taken from the canal."

abandoned by other small animals. Some the Indian Museum revealed nothing in glycine linked together by a (dimethyl)locate on the outside of hydroids, and it is the way of slides or material bearing upon methyl radical on the other side (Fig. 1). these folliculinids. Apparently Prof. Lloyd did not identify the species of folliculinid Many small jellyfish that swim free in he observed, but as to Lloyd's identificathe ocean separated themselves from hy- tion of the group Dr. Rao writes that he

It is possible that other casual referof jellyfish of Beaufort, North Carolina, (E. A. ANDREWS, The Johns Hopkins

> The differentiation of the pathogenic species of Sporotrichum has always presented difficulties. It has been known since 1915 that carbohydrate fermentations, pigment formation, and production of chlamydospores are variable factors

Sixteen strains of Sporotrichum reprebers in July 1915, more than 1,000 miles beurmanni, S. asteroides, and Rhinoaway, in a brackish canal near Calcutta, cladium equinum, originating in America, in the delta of the Ganges. The canal Europe, and South Africa, were studied. water had a salinity of but 1.0085, re- Extensive agglutination and absorption intervention of a dimethyl methane, duced to 15°C. In this canal, "far re- experiments showed that these Sporo- which would blockade irreversibly the

Hooghly," the jellyfish were no longer elsewhere. (H. I. LURIE, South African different other acyl radicals in the diffound in September, when the monsoon Institute for Medical Research, Johannes- ferent classes of penicillin (pentanoyl,

ing discussion between C. S. Leonard may think of the possibility of penicillin (Science, November 29, 1946, pp.501-502) competing with glutathione for enzymatic by R. E. Lloyd, professor of biology at and C. J. Cavallito (Science, February 28, or other mechanisms important for the Medical College, Bengal, and their pp. 235-236) about the mode of action microbial reproduction. (E. FISCHER, combined results were published under of penicillin, I should like to call atten- Experimental Laboratory, S. A. Organa,

on one side and between the SH group of Dr. Rao's search in the collections of cysteine and the α -methyl group of



From this point of view the terminal groups of penicillin would be characterized by a double ring formed between certain members of the open chains of the cysteyl-glycine radical through the Details of this work are being published radical of glutathione is replaced with heptanoyl, valeryl, phenylacetyl, etc.).

It would be too far-reaching to draw without experimental basis any con-With reference to the interest- clusion from this circumstance, but one