

DR. HAROLD JACOBY, until his retirement in 1930 professor of astronomy and head of the department of astronomy at Columbia University, has died at the age of sixty-seven years.

CHARLES WILLISON JOHNSON, for the past nineteen years curator of insects at the Boston Museum of Natural History, died on July 19, in his sixty-ninth year.

DR. DANIEL FOLKMAR, anthropologist, until his re-

tirement last year a special agent for the Immigration Commission and the Census Bureau, died on July 21 at the age of seventy-one years.

It is announced that Ralph Hoffmann, ornithologist and director of the Natural History Museum, Santa Barbara, California, died by accident in July while on an exploring trip in the southwest. He was sixty-two years old.

SCIENTIFIC EVENTS

REDUCTIONS IN THE APPROPRIATIONS FOR SCIENTIFIC WORK UNDER THE FEDERAL GOVERNMENT

A SURVEY made by *Science Service* of the figures in congressional appropriation bills just published shows that during the fiscal year 1931-32 just ended, about \$75,800,000 was available in the various departments for scientific and research work. For the coming year this amount has been reduced by the economy program to about \$66,300,000, a cut of approximately 12.5 per cent.

Among the departments doing scientific work that suffer the most are the Geological Survey in the Department of the Interior whose funds are reduced 30.6 per cent., the National Bureau of Standards with a cut of 25.7 per cent., the Bureau of Fisheries with a cut of 32 per cent. and the Coast and Geodetic Survey with a cut of 22 per cent.

In addition to these cuts, money available for scientific research is further depleted by the special economy legislation providing for a pay reduction of 8.3 per cent. which money can not be used by the departments where the saving is made but is paid back into the treasury. During the fiscal year 1932-1933 no employee can take a vacation unless he takes it without pay. Future leave is reduced to 15 days.

Some individual programs of research are even more seriously affected than the average reduction would indicate. Cuts on specific items at the National Bureau of Standards, for example, vary from 12 and 16 per cent. on some to as much as 50 per cent. on others.

The following figures include portions of congressional appropriations for scientific and research work only. The classification in some cases is somewhat arbitrary, but the figures are comparable for the two fiscal years. In cases where the work of a bureau is largely scientific, administrative expenses are also included. Work of scientific character, though not strictly research, as for example the work of the Weather Bureau, is included in this tabulation. Scientific research done by the War Department is not included because figures are not yet available.

Neither are there included funds for research that may become available under the emergency relief bill passed in the closing hours of the congressional session.

Bureau	Year 1932-3	Reduction from 1931-2	Per cent.
Geological Survey	\$ 2,181,000	\$ 960,740	30.6
Bureau of Mines.....	1,554,325	271,910	14.9
Coast and Geodetic.....	2,399,813	676,120	21.9
Bureau of Standards.....	2,137,280	737,290	25.6
Bureau of Fisheries.....	1,976,020	929,520	32.0
Public Health Service.....	5,341,413	113,369	2.08
Bureau of Labor Statistics	450,000	130,480	22.4
Children's Bureau	375,500	20,000	5.0
Women's Bureau	160,000	19,900	11.0
Smithsonian Institution	1,019,109	71,095	6.5
Aeronautics, Commerce.....	8,553,500	1,808,800	17.5
Navy (Hydrographic Office and Naval Observatory)	3,093,100	62,880	1.9
Forest Service	1,511,470	96,830	6.0
Bureau of Animal Industry	8,938,732	643,103	6.7
Dairy Industry	717,448	79,542	9.9
Plant Industry	4,930,874	908,364	15.5
Experiment Stations	4,668,294	88,116	1.8
Weather Bureau	4,164,038	333,682	7.4
Bureau of Entomology	2,471,700	392,040	13.7
Bureau Chemistry and Soils	1,825,080	122,121	6.2
Biological Survey	1,756,177	472,993	21.2
Agricultural Economics	4,995,491	441,845	8.1
Home Economics	233,365	13,335	5.4
Agricultural Engineering ..	518,690	65,150	11.1
Soil Erosion	289,160	40,840	12.3
Livestock	41,325	2,175	5.0
Total	\$66,302,904	\$9,502,240	

CONGRESS OF PREHISTORIC SCIENCES

FURTHER details are given in the London *Times* of the arrangements for holding in London at the beginning of August the first International Congress of Prehistoric and Protohistoric Sciences. Sir Charles Peers, president of the Society of Antiquaries and chief inspector of ancient monuments under H.M. Office of Works, is president of the congress for this session, and the formal proceedings in London will