

HEADLINE PERSONALITY

Dr. Odishaw Balances Science, Humanities

Dr. Hugh Odishaw, whose report on the International Geophysical Year studies of the sun and earth mark a milestone in American scientific achievement, is a scientist keenly aware that science isn't everything.

The 42-year-old executive director of the United States National Committee of the IGY has amassed a formidable record in many of the physical sciences. But he realized early in life that the humanities must not be swamped in the rush for greater knowledge of the physical phenomena surrounding earth.

Dr. Odishaw's educational background gives a partial answer to this balance. At Northwestern University, where he received his Bachelor of Arts degree in 1939 and his master's degree two years later, he divided his academic interests and achievements between the sciences and literature. And in his postgraduate years he taught English as well as mathematics at Illinois Institute of Technology until 1944.

Campaign With Youth

A current evidence of this balance is his personal hand in starting an educational program in schools to help American youths understand the aims and significance of the International Geophysical Year. A key part of the "get acquainted" program is to relate such influences as history and religion to man's learning and thinking about the physical world he lives in.

One of his co-workers summarizes Dr. Odishaw's guiding interest in life as "understanding man as a whole being rather than in terms of man's scientific achievement alone."

The IGY chief has another abiding belief. A colleague describes him as "passionately devoted" to the notion that the salvation of science—and society in general—depends on the recognition and interpretation of the studies of basic, or pure, science.

Dr. Odishaw constantly warns that all achievements in the applied sciences must come from a "big pot" of basic scientific findings. The Nation's universities, he feels, can best conduct basic research.

Effective Research

Furthermore, he adds, the universities could co-operate a great deal more effectively in a number of research fields. One, for example, could well be a pooling of resources, manpower and talent to conduct basic research into the polar regions.

As for the IGY undertaking itself, Dr. Odishaw feels it is "the most significant single peaceful activity of mankind since the European Renaissance" five centuries ago. Aside from its broad meanings to science and society, the IGY director hails the idea of projects aided by the Federal Government rather than controlled by it.

After receiving his formal education at Northwestern, he received a bachelor of science degree from Illinois Tech in



FULL NAME—Hugh Odishaw.
CLAIM TO FAME—Executive director, United States National Committee, International Geophysical Year.
HOME—2718 P street N.W., Washington.
BIRTHDAY—October 13, 1916.
BIRTHPLACE—Northfield, Minn.
EDUCATION—BA, Northwestern; BS, Illinois Institute of Technology; MA, Northwestern; DSC (honoris causa), Carleton College, Minn.
JOBS—Instructor in English and mathematics, Illinois Tech; Radar program, Westinghouse Research; Radar Evolution Board; Assistant to director, National Bureau of Standards, with National Academy of Sciences since 1953.
FAMILY—Married to Marion Lee Scott; one daughter, Lou, 5.
HOBBIES—Swimming and tennis.

1944 and an honorary doctorate of science from Carleton College, Minn., earlier this year.

Apart from his directorship of this country's IGY committee, which he assumed in 1953, Dr. Odishaw is now director of the United States IGY World Data Center and executive director of the Space Science Board—both branches of the National Academy of Sciences. He is also active in academy technical groups dealing with the earth satellite program.

Prodigious Memory

He has a home life—a wife Marian and daughter Louise, 5. They live at 2718 P street N.W.

As might be expected of a scientist, Dr. Odishaw has a prodigious memory—about which a story is told. Last August at the IGY meeting in Moscow, without the help of a list the 67 members of the United States delegation, many of whom he had never even seen before.

He managed to get through 66 of the scientists without a hitch. But the name of the 67th completely eluded him. He carried on, however, by improvising and introduced number 67 as "Prof. Smith."

Later as the meeting was breaking up, number 67 sauntered over to him. "Dr. Odishaw," he said, "you came close but didn't quite get the cigar. My name is Prof. L. M. Jones."

Mikoyan Gets American Visa

MOSCOW, Dec. 26 (AP).—The United States Embassy today issued a three-month diplomatic visa to Vice Premier A. I. Mikoyan for his forthcoming visit to the United States.

An Embassy spokesman said it was understood Mr. Mikoyan would leave early in January for about two weeks in the United States. He will travel by commercial planes.

Embassy sources said Mr. Mikoyan made no special requests concerning his trip, saying he would arrange details after his arrival in Washington.

Mr. Mikoyan will be subject to the same travel restrictions within the United States as are imposed on Soviet diplomats and citizens. They are barred from broad areas of the United States because similar restrictions are placed on Americans in the Soviet Union.

The Embassy spokesman said it was presumed restrictions will be waived if Mr. Mikoyan wants to visit any forbidden areas.

9 of 12 in Family Die in Home Fire

AUBURN, Wash., Dec. 26 (AP).—Nine persons of a family of 12 died today in a fire which destroyed a farm home near here.

Five bodies were recovered two hours after the 6 a.m. (PST) blaze and fire department officers were searching the ruins for four more.

The fire was at the Hollenbach turkey farm. Firemen said those listed as dead were Mrs. Olie Hollenbach, 38, and eight children, Gale, 18; Donald, 17; Garry, 16; Sharon, 15; Patricia, 13; Mary Ellen, 8; Carl, 6, and Penny, 4.

The husband and father, Mr. Hollenbach, was burned only slightly. Two other survivors were Wanda Hollenbach, 7, and a Mrs. Hightower, 80, presumed to be the mother of Mrs. Hollenbach.

The cause of the fire was not determined immediately.

Third Man Held in Poker Robbery Case

A third man has been arrested in Asbury Park, N. J., in the robbery of a Washington poker game last Sunday, in which a veteran Washington policeman lost his gun.

The suspect gave himself up to Asbury Park police. Two Washington detectives, Douglas Smith and William J. Dunn of the Robbery Squad, will attend his arraignment tomorrow in Asbury Park. They have a warrant charging him with robbery. He is reportedly willing to waive extradition.

He was identified by Lt. Murray Kutner of the Robbery Squad as George Pulsinelli. Lt. Kutner said he has a long record of arrests, mostly in New Jersey, and has spent several years in jail there.

Two other Asbury Park men were arrested earlier this week and charged with taking part in the robbery of the poker game, which netted about \$450 from the poker table and the persons present.

The policeman who lost his gun is Pvt. William E. Props, who has been on the force 24 years. He was off duty at the time and in civilian clothes. Suspended briefly, he was restored to duty soon after, pending further investigation.

Postal Part-Timers Fired in Job Fraud

CHICAGO, Dec. 26 (AP).—Post office inspectors said today that 51 part-time mail sorters were discharged because they paid off a time-keeper to credit them with working in Chicago's main post office when they were absent.

The timekeeper resigned several days ago during an investigation of irregularities, said Robert R. Justus, postal regional director in Illinois. Mr. Justus said it had not been determined whether all of the employees will be prosecuted.

France Due To Cut Value Of Its Franc

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members of the common market—West Germany, Italy, Belgium, the Netherlands and Luxembourg. This would lower the price of French goods, which generally are higher than those of the other five countries and therefore will be undersold in free trading within the market. The common market begins operation next Thursday.

Partially as a result of high French prices, the franc sells for less than the official rate. It has been at about 440 to a dollar but in anticipation of devaluation it dropped to 471 on Wednesday.

Increasing the value of the franc 100-fold would be primarily an internal psychological move to make the franc look good by making it worth almost 20 cents, at least for the time being.

But it might also be coupled with devaluation to give France a basic unit of exchange almost equal to the sound deutschemark of West Germany, economically the strongest member of the market.

Convertibility Move

Convertibility might be ordered separately or with the other two moves. It probably would be limited to stock and bond dealings on the Paris Stock Exchange. The franc is not generally convertible now to prevent black market purchases followed by conversion at the official rate.

Despite France's economic troubles, her top economic planner said last night that "the 44 million Frenchmen today have a standard of living one-half again higher than the 41 million of 20 years ago."

Etienne Hirsch reported that since 1938 industrial production has doubled, agricultural production increased by 25 per cent with 20 per cent fewer workers, and investments and exports multiplied 2½ times.

Mr. Hirsch warned, however, that partial unemployment is spreading and industrial orders are declining.

CONGRESS

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mitted to take his seat on January 7.

These controversies aside, it probably will be at least a month before any legislation of consequence reaches the floor of either branch.

The House must completely organize from scratch. The Senate, with two-thirds of its membership holdovers from the previous Congress, has fewer organization problems. Senate Republicans must select a new leader to replace William F. Knowland, who retired from the Senate to seek the governorship of California. He lost that race. Lyndon B. Johnson of Texas continues as Senate Democratic leader.

Representative Rayburn, Democrat of Texas, is certain to be re-elected Speaker of the House—a post he has held 14 years, longer than any other man in history.

Representative McCormack of Massachusetts will be picked again as House Democratic leader while Representative Martin, also of Massachusetts, will continue as Republican leader.

Committee Problem

The parceling out of committee places in a new Congress always poses problems. But the greatly enlarged Democratic membership of both chambers has made the job tougher than usual this time for the Democrats. They have more newcomers than choice committee assignments opened up by the last election.

The new Congress will have 64 Democratic Senators and 34 Republicans Senators, as compared with 49 Democrats and 47 Republicans in the 85th Congress. In the House, the new lineup will be 283 Democrats to 153 Republicans. This compares with 235 Democrats and 209 Republicans in the old Congress.

In the Senate, holdover members retain their old committee jobs unless they bid for vacancies on more important committees.

The House must fill all of its committee posts anew. Re-elected members may remain on their former committees. But 81 new member must be taken care of, and prospects are some new committees will be created to meet assignment needs.

Not until committees are functioning can the House or Senate really start work on legislation.

Early in January President Eisenhower will deliver in person his state-of-the-Union message telling Congress what he would like in the way of legislation.

In mid-January Mr. Eisenhower will send Congress his annual budget for the fiscal year starting next July 1. The White House has said the President will propose a balanced budget totaling \$77 billion. This is \$3 billion below estimated spending this year. Late in January the President's economic report is due to reach Capitol Hill. It is the last of three annual messages.

Excuse Premature

OLD SAYBROOK, Conn. (AP).—Kerry J. Cannon, 22, arrested for speeding, told police he was in a hurry to go to his own wedding. The judge fined him \$50 when he learned that Cannon's wedding isn't until next April.



REGISTER FOR SCIENCE CONVENTION—Sisters Rose Francis, a physicist, and Mary John, a chemist, from Buffalo, N. Y., register for the 125th meeting of the American Association for the Advancement of Science at the Sheraton Park Hotel.—Star Staff Photo.

IGY

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permanent perturbation of the earth's external magnetic field." The total energy contained in this field, they explained, "is of the order of that in a large nuclear explosion."

No basic reason why an H-blast could not reshape the magnetic field has been advanced. Dr. Odishaw said. In addition to permanent effects, there would be temporary ones.

"The temporary effects would disturb the trapping conditions for the Van Allen particles and, allowing their release, could produce an aurora," the IGY official added.

"Most Significant"

Discovery of the Van Allen belt by the American satellites Explorer I and III was characterized by Dr. Odishaw as "the most significant on-board satellite experiment to date." But he emphasized that "rockets and satellites are

only tools, albeit powerful ones, for... studies of phenomena in the high atmosphere and space."

The IGY, held at this time largely because of a predicted period of high sunspot activity, has brought out many new facts about the relationship between sun and earth, the report said. One of the chief of these seems to be that the sun's corona actually may extend as far out as the orbit of the earth. This is suggested, some scientists believe, by

Hope Rises on Teaching Deaf Mutes to Talk

By the Associated Press

New hope was offered today for some deaf children previously thought incapable of learning to talk.

They might have an undetected language disability along with their known deafness, said Edna K. Monness, director of the hearing and speech department of Washington's Children's Hospital.

If this is discovered, she said, the child might then be taught to talk by the application of special teaching techniques.

The hearing-speech specialist discussed her ideas in a report prepared for the 125th meeting

of the American Association for the Advancement of Science.

"The results of recent research and invention dealing with problems of hearing and deafness are leading us to suspect that some of the old maxims about deaf children may not be true," she said.

"We are questioning the statement, for example, that some deaf children of normal intelligence cannot learn to lipread and to talk."

It now appears, she said, that such children may actually (1) have a handicap that is not deafness at all; or (2) they may be doubly handicapped children having both hearing and language disabilities called "aphasia."

Technically, aphasia is the loss or impairment of the power to use or understand speech. It results from a brain injury or, sometimes, from a functional or emotional disturbance.

She said that in making a differential diagnosis between deafness alone and deafness in combination with aphasia, certain commonly used examinations are often unavailing.

"The final determination of aphasia lies in the child's response to attempts to teach him to talk," she said, adding:

"The deaf child will learn by methods currently used in teaching the deaf. The aphasic child will fail to learn by these methods and requires an altogether different teaching procedure."

In conclusion, the expert said:

"The importance of early and accurate diagnosis is obvious—in preventing the waste of time involved in trying to teach a deaf-aphasic child by methods unsuited to his needs, with all that this failure may mean in terms of suffering for the child and his parents."

Japan Under Quota

TOKYO — Japan exported 214,970,000 square yards of cotton textiles to the United States in 1957. This was 8.5 per cent below the annual quota of 235,000,000 square yards set by the Japanese Government under its program for controlling textile exports to the United States.

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