

Many Nuggets of Information Accumulated by IGY Scientists

By JOSEPH L. MYLER
United Press Correspondent
Washington—The earth is cracked.

Under the tidal influence of the moon, its skin crawls and heaves.

It is pelted without cease by particles billions of times more energetic than a splitting uranium atom.

Intense electric currents periodically ring it.

It and all the other spinning planets wheel on their courses within an envelope of thin hot gas flung into space by the sun.

These are a few nuggets of information gleaned from an immense store of information accumulated in the first six months of the greatest scientific venture ever undertaken by man.

This venture, designed to learn everything possible about the mysterious earth and the even stranger space in which it moves, is the International Geophysical Year (IGY). It started last July 1 and comes to an end next Dec. 31. No formal official progress report has yet been made, but one is being prepared and will be released here in the next few weeks.

Satellites Biggest Sensation
The most sensational achievements of the IGY's first months were the launching of the Soviet satellites on Oct. 4 and Nov. 3. They stirred the world—and intensified the Cold War between politicians of the East and West because of the implications they contained of Soviet power in the field of military rocketry.

But any public dismay over the Russian moons has not "impaired the relations" among scientists of the East and West who are working together in IGY. That is the word of Hugh Odishaw, executive director of the U.S. National Committee for the International Geophysical Year.

From the start, Odishaw told the United Press, "there have been amicable and cooperative relations among all IGY nations, and these relations continue."

IGY Stations Cover Earth
Participating nations now number 67, including the United States and the USSR. More than 2,500 scientific stations have been set up from pole to pole, ocean to ocean, hemisphere to hemisphere. Space itself has been assaulted.

The Russians have not as yet turned over to IGY any of the scientific information they may have received from their satellites. But U.S. scientists confidently expect that they will.

The Russians and other IGY nations as well already have started sending information to "world data centers" in this country, the USSR, Western Europe, and the Pacific.

Data Due in January
Odishaw and his colleagues refused to divulge any of the information already in the IGY pool, pending its formal release some time in January. But enough announcements have been made by IGY scientists independently in various parts of the world to provide a large bits-and-pieces sample of discoveries to date.

For example:
—The behavior of the Soviet satellites indicates the atmosphere a few hundred miles up, though extremely thin, is perhaps four times as dense as previously thought.

—A continuous 45,000-mile rift exists in the earth's undersea crust. It averages 20 miles wide and 1½ miles deep. It coincides with the world-wide chain of earthquake zones.

—New pictures of the sun disclosed never-before-seen features, including swirling gas storms 200 to 600 miles across.

—The greatest ocean depth ever found was reported by a Russian oceanographic ship in the Pacific Marianas trench. The depth was 35,948 feet, or about 6½ miles.

—Cosmic rays, charged "messengers from space," achieve energies of several billion billion electronic volts. By comparison a splitting atom in an A-bomb releases only 200 million electron volts of energy.

—Huge eruptions of the sun, spewing gas and atomic particles hundreds of thousands of miles into space at speeds of 500 miles a second, release in 20 minutes as much energy as could be packed into a billion big H-bombs.

Demand from several institutional groups such as unions, fraternal, civic, service, patriotic and veteran groups was the main reason for the change in policy, he added.

Investors of this type will be limited to \$10,000 per year in each series, he said. Investors make subscriptions through local banks but the nearest Federal Reserve bank will issue the bonds.

Yonkers, N.Y.—Mrs. Edith P. Welty, 76, former mayor of Yonkers and a leader in the drive for city-manager government for some communities, died Tuesday. Mrs. Welty had served on the Yonkers Common council before becoming mayor briefly on the resignation of Curtis Frank.

EX-MAYOR DIES
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CENTRAL POINT Family Holds Social Hour

BY DORIS HUGHES
Central Point — Sunday evening, after Vesper services at their church, Mr. and Mrs. Richard Wyatt of 615 Alder st. held a social hour in their home. Refreshments were served during the evening.

Guests were Mr. and Mrs. Ray Johnson of Medford, Mrs. Marjorie Snyder and children of Medford, Mrs. Ray Wyatt of Table Rock, Mr. and Mrs. Darrel Linker of Medford, and Mr. and Mrs. Ray Britton of Central Point.

Miss Margaret Greenman of Los Angeles returned home Saturday after visiting here for a week at the home of her brother, Royal Greenman Sr.

Mr. and Mrs. Glenn Downing were Christmas guests at the home of Mr. and Mrs. Chet A family dinner was held Christmas day at the home of Mr. and Mrs. Everett Faber of Freeman rd. in Central Point. Guests were Faber's mother, Mrs. E. C. Faber, his son and family, Mr. and Mrs. Don Faber, and his son-in-law and daughter and family, the Richard Strattons.

The A. D. Van Horn family and the D. R. Hendricks of Central Point were dinner guests Christmas day at the home of Mr. and Mrs. Jack Hendrickson of Gold Hill. Guests, also, for dinner were Mr. and Mrs. J. B. Tilley of Gold Hill.

Mr. and Mrs. Bob Harper of Central Point were guests Christmas eve at the home of Harper's parents, Mr. and Mrs. W. A. Harper, of Medford. Guests also were the Harper's other two sons and their families, Mr. and Mrs. Dwane Harper and Mr. and Mrs. Don Harper.

Mr. and Mrs. George Johns spent Christmas in Grants Pass at the home of Mrs. Johns' parents, Mr. and Mrs. Glen Utz. Dr. and Mrs. Huestis of Roseburg were also guests. Mrs. Huestis and Mrs. Johns are sisters.

Mr. and Mrs. Richard Traylor spent the holidays visiting brothers and sisters in the Los Angeles area. They also took a trip to Marine Land where Traylor took some movies.

Mr. and Mrs. Burl C. Johnson of Eureka, Calif. are spending the holidays visiting relatives and friends in the Central Point area. The Johnsons are former residents of Central Point.

A double shower was held Friday evening in Fellowship

hall of the Community Bible church in Central Point. Honored guests were the Rev. Donald Collins and Mrs. Collins of Eastend, Saskatchewan, Canada, and the Rev. Billy Mallon and Mrs. Mallon, missionaries who will be leaving in March for New Guinea. The men are former residents of Central Point, both having attended Crater High school before studying for the ministry.

Mr. and Mrs. Darrel Linker left Christmas night for Seattle, where they are visiting relatives.

Guests Christmas day at the home of Mr. and Mrs. Royal Greenman Sr. were Mr. and Mrs. H. L. Taylor of Ashland, Mr. and Mrs. Ray Gordy of Prineville, Mrs. Irvin Taylor of Ashland, Miss Margaret Greenman of Los Angeles, Mr. and Mrs. Ted Vance of Midway rd., Mr. and Mrs. Ralph Greenman and children of Talent, Miss Joyce Pestka of Central Point, Larry Pirkey of Table Rock and Miss Joan Morris of Gold Hill.

Mr. and Mrs. Morris Jones and daughter, Janice, former Central Point residents now living in Rogue River, were in Central Point Monday on business and visiting friends.

Mr. and Mrs. Harold R. Hughes and sons, Gary and Pat, spent Christmas visiting at the home of Mrs. Hughes' parents, Mr. and Mrs. Walter Olson of Forest Grove and Mr. Hughes' mother, Mrs. Roy Cannady of Hillsboro.

The Rev. Billy Mallon and Mrs. Mallon were dinner guests Monday at the home of Mr. and Mrs. Lawrence Leonard of Snowy Butte rd.

FACING life imprisonment, Larry Miller, 15, is awaiting sentence in slaying of Laura Helen Wetzel, 22, of Long Beach, Calif., a neighbor.

(International)

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