

By ALINE MOSBY United Press Correspondent

Hollywood — UP — How do beautiful and bright but not colorful actresses get noticed by the press in Hollywood? Barbara Rush found one way. Leaving those long-suffering heroines roles to play a "sexy, giddy girl."

The Zsa Zsa Gabor, Grace Kelly and Gina Lollobrigida by now cause attention and make news no matter what they do. But Barbara, like many hopeful newcomers, does not yet attract attention.

Actress Gets Part — "I usually play dramatic, or serious roles, such as in 'The Magnificent Obsession,'" the brunette beauty explained. "So one day I took two vitamin pills and charged into the office of the producer doing 'Oh Men.' I didn't exactly act giddy for him, but awfully happy. I got the part!"

Getting the press interested in a personality is a gnawing problem of an ambitious newcomer. Piper Laurie ate flowers. Jayne Mansfield posed for cheesecake. Marilyn Monroe thought up wacky sayings, and opera star Elaine Malbin allowed reporters to stand on her stomach. Marlon Brando got columnists to trailing him by sporting T-shirts and a motorcycle.

Publicity Important — "To get the press writing about you is important," Barbara said seriously. When I first started acting I was a member of that young players' group at Paramount, the Golden Circle. But that was a mistake. The group itself, not the individual members, got the publicity.

In 136 years the senate has sat as a court of impeachment only 12 times and has removed four men from holding federal offices.

Either was first used as an anesthetic in surgery in a Boston hospital and the date was Oct. 15, 1846.

Court Records

POLICE COURT — A. B. Kirby, violation of basic rule, \$10. Paul Richard Mann, four in front seat, \$5. Donald Edward Faber, violation of basic rule, \$10. Carolyn Marie Ainsworth, violation of basic rule, \$10. Paul Harold Mitchell, violation of basic rule, \$5. Helen Genevieve Fox, failure to stop at stop sign, \$5. Turner G. Fox, improper passing and lane usage, and no driver's license, \$15.

DISTRICT COURT — Harold Moses, violation of basic rule, \$12.50. Jess Archie Storms, four in driver's seat, \$10. Oliver Ruben Hodges, sitting and leaning load, \$15. Dale H. Franklin, failure to signal, \$10. Ira Marine Wier, following too close, \$10. Fred Nicholas McPherson, failure to stop at stop sign, \$10. Gail Joseph St. Arnold, possession of untagged vehicle, \$16. Walter Edwin Hatch, inadequate muffler, \$15. Gilbert McCoy, overload, \$10. Donald Eugene Golden, overload, \$14. Leroy Virgil Draper, overload, \$44 and \$33. Allen Dwayne McCoy, overload, \$63. Robert Lester Wynn, Jr., no PUC permit, \$13. Bill Defective clearance lights, \$15. Bill forfeited.

CIRCUIT COURT — Marie Louise Flagg vs. William LaVern Flagg, divorce decree. Louise Annette Turcotte vs. Francis L. Turcotte, divorce decree. Virginia Albrant vs. William C. Albrant, divorce decree.

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Fission Products Vary in Nature, Intensity, Duration of Their Individual Radiations

By JOSEPH L. MYLER United Press Correspondent

Washington — UP — The explosion of an ordinary A-bomb creates 2.2 pounds of "fission products" as intensely radioactive for one minute as one million tons of radium.

This country is believed to have exploded at least one giant bomb whose radioactivity for 60 seconds was 500 times "hotter" than that.

These fission products vary in the nature, intensity, and duration of their individual radiations. Some of the "hottest" decay to harmlessness in less than a millionth of a second. Some go on spitting rays for

thousands of years. The overall intensity of an ordinary A-bomb's radioactivities falls off quickly with time. An hour after the explosion it is equal to 6,000 tons of radium—after one day, 130 tons; one week, 13 tons; one year, one-tenth of a ton.

SR 90 Long Life

Radioactive strontium-90 has a fairly long career as a ray-emitter. Its half-life is 28 years. That means half the atoms in any amount of the stuff will discharge their radiations in that time, half of the remainder in the next 28 years, and so on. This and a lot more about SR90 is known because it has been closely studied since the start of the U. S. atomic project.

When a bomb explodes, its

non-instantaneous radioactivity is spread by fallout—the descent to earth of "hot" particles which have been carried aloft. To over-simplify it, there are three kinds of fallout:

The heavier particles come down first, in a matter of hours, as "local fallout."

Then there is "worldwide tropospheric fallout." Particles remaining in the troposphere—the weather region of the atmosphere below 50,000 feet—may be carried around the world a couple of times before settling out in weeks or months. Rain could bring it down sooner, in days. This fallout affects only the band of the planet in which the test site is situated.

Gradually Drift Down

A third kind is "worldwide stratospheric fallout." It is caused by weapons powerful enough to hurl the bulk of their radioactivities into the high atmosphere above the weather, or by weapons of whatever size fired at great heights.

These radioactivities are distributed with remarkable uniformity over the globe in the form of particles about the size of a virus molecule. Gradually they drift down into the troposphere and thence, carried by rain or snow, to the earth.

Global fallout from a given test remains suspended in the stratosphere for years—10 on the average. It has been detected in all latitudes, and north to the Arctic and south to the Antarctic.

Finely distributed as SR90 is, its detection is possible because

radiation instruments are so sensitive they can spot fewer "hot" atoms that it would take to make a dot so tiny it could be seen only under a microscope.

Local and tropospheric fallout are intensified by surface or near surface shots which pick up a lot of dirt. Global fallout is intensified by high explosions which, scooping up no heavy particles, put most of their poisons into the stratosphere.

Radiation hazards are from without or within, external or internal. They do genetic damage (to the reproductive germ cells, thus affecting future generations, or somatic damage) to the body of the individual victim, affecting only him, or both.

SR90 Penetrates

Only highly penetrating rays are under an external menace. Only rays which hit or pass near the germ cells cause genetic damage. The worst internal hazards are those enduring radioactivities which easily find their way into the body—as a result, say, of eating, drinking, or breathing contaminated food, water, or air—and stay there long enough to cause harm.

SR90 is and does all that.

As a general rule, low explosions create the greatest genetic menace because their penetrating radioactivities settle out and come in contact with people while the particles are still "hot" enough to hurt.

High bursts, or explosions powerful enough to penetrate the stratosphere, are not much of a genetic threat. Their penetrating radiations have greatly

subsidized by fallout time, and those left do not reach the reproductive organs in dangerous amounts.

But though it is not considered a global genetic threat, radiostrontium's potency as a cancer-causing agent is not diminished appreciably by long fallout time. Its half-life of 28 years is so great that the slow rate of global fallout makes little difference. By the time it gets down, and for long afterward, it is still active.

Concentrates in Bones

SR90 is chemically like calcium, the bone-building element. So it concentrates in the bones. Like calcium, it is also present in animal milk. Its radiation is not the deeply penetrating kind. But it can cause bone cancer and may also induce leukemia, "cancer of the blood."

Radiostrontium settles on plants leaves and the soil, and so gets into vegetables and animal feed. Every time you eat a vegetable plate, drink a glass of milk, or nibble a bit of cheese you take in some SR90. No one on earth can keep it out of his system.

But as Dr. Willard F. Libby of the Atomic Energy Commission has said, "A man is not a sheep." He doesn't feed exclusively on grass. Libby was figured on grass. Libby was figured on soil. One-third will get in the grass, one-eighth into the cow, and one-twenty-fourth into the human being.

Scientists of the world (in a body called the International Commission on Radiological Protection) have calculated what they call the "maximum permissible concentration" (MPC) of SR90 for persons, such as atomic

energy employees, who may come in contact with it in their work.

This "occupational MPC" is considered a completely safe continuous level. You could take 10 times as much, theoretically, without harm. But for the general world population an even more conservative figure is used. Can Produce Bone Tumors

It is one-tenth of the occupational MPC. These amounts are calculated in terms of the number of atomic ray-emissions per second per gram and do not mean much to the non-scientific layman.

Dr. Ralph E. Lapp, former atomic project scientist and now a critic of nuclear affairs, has figured that one teaspoonful of SR90, parceled equally in the bones of people everywhere, would constitute the MPC (occupational) for all the inhabitants of earth.

That would be less than an ounce, and less than 2.5 billionths of an ounce per person. Scaling down for the general population, you get a global MPC of less than one-tenth of an ounce, and a person's MPC of less than 25 billionths of an ounce.

Some children in the bone-forming stage store up calcium, and hence strontium, at a faster rate than adults. Some scientists have argued that the general MPC should be scaled down another 10 times. You figure it. In any event, as Lapp says, an amount of SR90 "so small as to be meaningless to the average person" can produce bone tumors in human beings.

But the world is a big place, and the strontium-90 that falls upon it does not automatically and instantly get into the bone of people. It takes years and the ratio is by no means one-to-one. Tomorrow: Project Sunshine.



ARRIVING IN NEW DELHI, Communist Chinese Premier Chou En-Lai receives garland of flowers as India's Prime Minister Nehru welcomes him. (International Soundphoto)

SHADY COVE-TRAIL Couple in Auto Accident

By EVALYN P. WATSON Shady Cove-Trail — Mr. and Mrs. A. B. Clark of Big Butte creek were involved in an automobile accident Friday when their car was struck from behind by a station wagon as they turned into the driveway of their son's home in Eagle Point during a heavy fog. Both cars were extensively damaged but no one was hurt in the accident.

Douglas Johnson, son of Mrs. Jeanette Johnson, of Shady Cove, will go to Portland Dec. 5, where he will take his pre-induction exams for entrance into the Army.

Mr. and Mrs. Jack Williams of Shafter, Calif., flew here for a visit with William's parents. Mr. and Mrs. Miles Williams. Guests for Thanksgiving at the Miles Williams home were Mr. and Mrs. Frank Cook of Medford and Mr. and Mrs. Byron Ward of Grants Pass.

Mr. and Mrs. Glenn Collins of Shady Cove were guests Thanksgiving of Mr. and Mrs. William Epperson of Prospect.

Mr. and Mrs. Paul Olson of The Rock Market have just returned from a business trip to the Los Angeles area. While there they visited Knott's Berry farm. Mrs. Clara Thurman spent the holidays visiting with her daughter and family. Mrs. Jacelyn Langston in Sacramento, Calif.

The annual fall bazaar, sponsored by Our Lady of Fatima club of Shady Cove-Trail-Prospect, will be held this year, Saturday evening, Dec. 8 from 6 to 11 p.m. at the new church hall next to The Shack cafe in Shady Cove. Men have been working on the hall and church all week doing the spray painting of the hall and installing the heating system. Women of the parish have finished the painting in the kitchen and restrooms. At the bazaar the food booth will feature both American and Spanish foods as well as homemade pie, cakes, candies and bargains galore will be available at the country store. Valuable prizes are to be given away, including a power lawn mower.

There will be games of all kinds for the adults and children. Surprise packages will be given at the white elephant booth and Dr. Paul Olson of The Rock Market will have a booth of fluorescent rocks and minerals. Charles Chubb of Canby, Calif., was home for the holidays with his parents, Mr. and Mrs. Ray Chubb of Shady Cove.

The second in a series of Catholic inquiry classes will be held at the home of Mrs. Ernest Segessenman of Shady Cove Monday, Dec. 3. The first one was held two weeks ago with Father Ilg of Medford present for the discussion. Anyone who would care to attend is cordially invited.

The newly organized rock club of Shady Cove-Trail, the Rogue Rockhounds, met on Tuesday evening, Nov. 27, at the home of Mr. and Mrs. Carroll Watson of Shady Cove. Two members of the Roxy Ann Gem and Mineral club of Medford, Delmar Smith, of Central Point and LaWrence Crocker, of Medford, explained the organization of the Medford club and assisted in identifying various specimens. A specimen table was provided for those who brought

rocks for identification. Officers elected were: president, Ernest Sackett; vice-president, Mrs. Ray Briggs and secretary-treasurer, Mrs. Carroll Watson.

Members will visit the Roxy Ann Gem and Mineral club for the next meeting to be held Wednesday, Dec. 12 at the Eagle's Hall starting at 7 p.m. There will be a potluck dinner and an exchange of Christmas gifts. Del Smith, program chairman for the Roxy Ann Mineral club promises an outstanding program for that evening.

Members are asked to take a covered dish. There will be no meeting in Shady Cove during December. Anyone interested in rocks and minerals is invited to join the group.

Mr. and Mrs. Bob Burns and family, of Lewis Creek-Trail are spending the winter in Mexico.

The Rev. Robert Greene, pastor of St. Martin's church in Shady Cove has been transferred to Astoria and the Parish is without a minister at present.

Bob Vincent of Shady Cove is attending the Western Forestry conference in British Columbia this week. Vincent is employed by Elk Lumber co. of Medford. The group went by car to Seattle and from there by boat.

Mr. and Mrs. W. E. Hammel of Shady Cove had a family reunion at their home Saturday December 1.

Relatives attending were Mrs. Hammel's aunt and husband, Mr. and Mrs. E. G. Scammon of Ft. Bidwell, Calif., Mrs. Hammel's aunt and cousin, Mrs. Lema James of Adin, Calif., Mrs. Gertrude James of Alturas, Mrs. Grace Bratton of Goldendale, Wash., Mrs. Hammel's brother and family, Mr. and Mrs. Marshall Minter and twin sons, of Eagle Point, a nephew and family of Mrs. Hammel, Mr. and Mrs. R. R. Minter of Eagle Point, her niece and family, Mr. and Mrs. Merle McGraw, children Lona, Wendy, and Michael, of Eagle Point, Mrs. Hammel's brother-in-law Robert McCabe of Eagle Point, Charles McCabe of Butte Falls, Mrs. Hammel's sister and family, Mr. and Mrs. Frank Caster of Eagle Point, a nephew and family, Mr. and Mrs. Marshall Caster and daughter, Beth, of Eagle Point, another nephew and family, Mr. and Mrs. Walter Caster and daughter, Lori, Mrs. Marshall Minter's mother, Mrs. Davis of Grants Pass, Mr. and Mrs. John Foster, of Medford and Mrs. Hammel's sister, Miss Mina Minter of Medford.

Bill Wilson of Trail, has returned home from Cloverdale, Calif., where he has been working.

Mr. and Mrs. Floyd Kelley of Shady Cove have purchased an 18-foot trailer house for use on their southern trip which they plan to start on early in January.

Swede Allen is leaving Dec. 4 for southern California and Arizona, where he has accepted a position as traveling representative for a large firm.

Members of the Shady Cove Grange met Wednesday, Nov. 28 for a potluck supper. A short business meeting was held and Mrs. Thelma Reinling of Trail was obligated in the third and fourth degrees.

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