

Family Council

Editors note: The Family Council consists of a judge, a psychiatrist, three clergymen, three editors and a women's editor. Each article is a summary of a family disagreement presented to the Council. The Council deals with problems, major and minor, encountered by guidance counselors and social workers. Edited by Mrs. Alma Deany. (Copyright by General Features Corp.)

Jerome N.—He's making a mistake to move downtown.

Henry N.—I'm tired of keeping up a front, for show.

Jerome N.—Before Henry signs on the dotted line and there's no turning back, I want him to see clearly what he's doing. He's in the advertising business where the so-called superficials are important. By living in the right part of town, he's been able to entertain easily. His apartment on The Avenue is easy to get to, safe to leave in the wee hours. In addition, his prestige address gives him a head start, an immediate "in" with new contacts.

He's lived in the same place for 20 years. In that time his business has flourished. Now he wants to move to a downtown middle-income housing development. It's in a crowded noisy section, unattractive to visitors. I'm a chemist and in my line of work I can live where I want. In Henry's, he can't.

Henry N.—I think what's really bothering my brother is that he will no longer be able to brag about his "brother on The Avenue." He and his wife have enjoyed bringing the visiting firemen, friends and relations for a view of the park and lake from our penthouse.

My wife and I have reached a point where we wish to live simply and honestly. The truth is, my business didn't maintain the scale of living we assumed. My wife's job took up the slack. But now we plan to live on what I make. The clients who like me for the quality of my work will follow me no matter where I live. The ones who hired me for my status address can find someone else. I'll manage. The big advantage is that I'll be living within my means, not keeping up a rich front. At this point, I seek authenticity.

The Council: "Things are seldom what they seem, skim milk masquerades as cream," observed Mr. Gilbert to the tune of Mr. Sullivan's "Pinafore" score.

Well, Henry is after that elusive "seldom." He wants a few things that are what they seem, like contentment and comfort. Some people go after those from the start. Others are willing to give them up indefinitely in the interests of keeping up a front and getting ahead. But Henry feels he's served his time as a perfect model of a model Madison Avenue-er and that the gray flannel suit itches. He's ready to shed the costume, the scenery and the labels.

His brother makes the mistake of measuring what Henry's giving up and what Henry's gaining, on the old scales of former values, former goals. But Henry has scrapped them. He now seeks to get down to the essentials—a loaf of bread (okay, enriched), a jug of wine (plain domestic) and over his head a roof whose rental can be met each month with a shrug instead of a wince.

The old order changeth, Jerome. Henry has reached a stage of life where pretense isn't fun any more, and its returns don't pay in emotional terms, even if they do financially. The new order, with its modest budget, relieves him of a 20-year-old burden—that of pretending he's someone he isn't—a big-money executive. At least he can be a "minor" executive, living on whatever comes in.

Psychologists have isolated one basic fear which is, perhaps, the most pervasive in our society today, namely the fear of being found out. It assails everyone who dissembles, fakes, overfills, exaggerates. It may well be responsible for the vast use of tranquilizers, anxiety-quieters.

Henry has turned to the best tranquilizer of all: the simple, solvent life. The "disadvantages" his brother was against don't register with him—or 118.

Kennedy Asked To Limit Lumber Imports

Portland—UPI—Gov. Mark Hatfield has asked President Kennedy to limit imports of Canadian lumber into the United States.

He called the Oct. 12 windstorm which felled some 4.4 billion board feet of timber in the Pacific Northwest "a great and unforeseen emergency."

University Has Optical Maser in Operation

Eugene—An optical maser—the first of these new instruments in the state of Oregon—has been placed in operation in a laboratory at the University of Oregon.

The device, which is capable of sending concentrated, non-diffused beams of light for hundreds of thousands of miles, is similar to the optical maser at the Massachusetts Institute of Technology which was used earlier this year to bounce a beam of light off the moon.

The university's physics department is presently renting the maser, with an option to buy it, from Trion Instruments, Inc., Ann Arbor, Mich. It has been set up in the laboratory of Dr. Henry J. Hrostowski, associate professor of physics and a specialist in solid state physics, particularly the optical properties of solids and fluorescent materials.

The first successful optical maser, also called a laser, was built only two years ago by Dr. T. H. Maiman, then at the Hughes Aircraft company. It is now estimated that more scientists are working on the possibilities inherent in maser technology than were working on the problems of radar in World War II.

Eye Surgery
Such practical applications as eye surgery and welding in a vacuum have already been

discovered for the optical maser. However, its chief value may be as a tool "for discovering many fundamental things, particularly in the field of spectroscopy and in the study of physical and chemical properties of various substances," according to Dr. Hrostowski.

"It is a very special type of light source which may result in many exciting results that cannot be obtained with conventional equipment," he added. "It is a major breakthrough in spectroscopy and will almost certainly lead to new discoveries in this field in the future."

Possible use of the optical

Civil Defense Alert In Oregon Relaxed

Salem—UPI—The around-the-clock Civil Defense alert in Oregon has been relaxed, State Civil Defense Director Arthur M. Sheets said Tuesday.

Sheets said civil defense agencies went on a standby basis at 5 p.m. Monday.

Gov. Mark Hatfield ordered a continuous alert last week over the Cuban crisis.

JUDGES TO MEET

Portland—UPI—The 11th annual meeting of the Oregon Circuit Judges Association will be held Friday.

masers as communications devices is occupying the attention of many scientists. Dr. Hrostowski explained. An ordinary television transmission wave produces a band-width of four megacycles, while a single maser beam might carry a band-width of 100,000 megacycles, making it possible to transmit enormous

amounts of information on a single light wave.

Since the maser would not be able to penetrate fog and rain, scientists are proposing shining the light beam through pipes to create intrabuilding or intra-city communications systems.

In addition to its research possibilities, the university physics department is acquiring a maser at this time "to keep the university current," Dr. Hrostowski said. It allows students to see in operation one of the newest instruments in the field of physics. Furthermore, the instrument is valuable in demonstrating to students several basic physical principles.

The beam of the university's maser is presently unfocused and shines against a cement-block laboratory wall. The beam is a flash of pink light which has a peak power of about 5,000 watts lasting only a few thousandths of a second. The light can be focused quickly with a lens attachment from a microscope and is then capable of generating temperatures of 5,000 degrees Centigrade, sufficient to vaporize virtually any material.

Non-Diffused Light
So non-diffused is the light from an optical maser that it is estimated that it results in a circle of light only two or

three miles in diameter after traveling from the earth to the moon.

The instrument consists of a large power source and a small metal cylinder which houses the maser itself. The heart of the maser is a red ruby crystal, synthetically "grown" from aluminum oxide and a small amount of chromium and machined into a rod about two inches long and a quarter of an inch in diameter. One end of the rod is almost completely silvered to prevent the escape of light; the other end is partially silvered.

Connected to the power source and wrapped around the ruby rod is a spiral xenon flash lamp. The chromium atoms in the rod are in the ground state, until they absorb the light from the lamp

and are "excited" to a higher energy state.

Left to themselves, these atoms would in a short time release this energy spontaneously in small bursts of light called photons and fall back to the ground state in a random fashion.

Interact With Atoms
However, in the special confines of the optical maser, the first few photons emitted in this way interact with other atoms which are still in the "excited" state, causing these atoms to give up their photons in a non-random fashion.

Although many of these photons escape through the walls of the rod, eventually a photon will strike one of the silvered ends of the rod and be reflected back to the other end, interacting with additional atoms as it goes. This sets up a pattern of increasing numbers of photons being reflected back and forth along the axis of the rod.

Soon, through the "pump-

ing" action of the lamp which keeps the atoms in an "excited" state, an excess of energy will build up and burst through the partially silvered end of the rod in a powerful light flash of the optical maser. The whole process takes only about a millisecond.

This light flash is highly directional, very intense, and non-diffused because the atoms have been forced to give up their energy in an orderly fashion. This results in the photons emerging from the maser "in phase," all with the same wave-length, "like soldiers marching in step," Dr. Hrostowski explained.

Brazil Seeking Role of Mediator

Havana—UPI—Brazil is seeking to assume a role of mediator between the United States and Cuban Premier Fidel Castro.

Gen. Albino da Silva, military aide to Brazilian President Joao Goulart, arrived here as the president's special emissary Monday.

A spokesman for the Brazilian embassy said Castro went to the residence of the Brazilian ambassador and conferred with Da Silva "for some time" during the afternoon and early evening.

The spokesman said Da Silva planned to meet with Acting Secretary General Thant of the United Nations today.

Da Silva was authorized to start talks "that would permit arrival of an understanding between the parties involved in the current crisis," the embassy spokesman said.

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