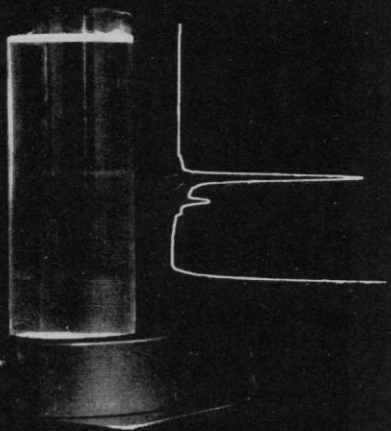
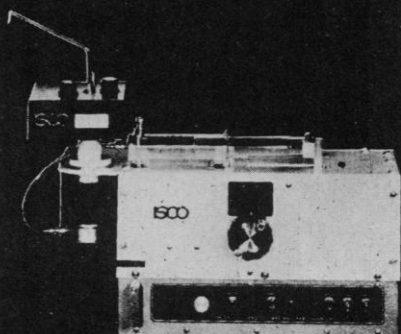


**How do you
get a density
gradient zone
profile like
this?**



**Plot absorbance
of aliquots?
Drain the tube
from the bottom?**

NO! This unretouched, continuous UV absorbance curve was produced from the tube beside it automatically with an ISCO density gradient fractionator. The ISCO fractionator resolves zones undetected by other techniques and plots their exact location. Measuring the area under each peak precisely determines the mass of material in each zone. If you require the sensitivity necessary to detect better than 1 microgram of nucleoprotein in 1 ml of gradient, write for brochure DG37



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be abandoned in favor of emotion? Such a question might violate the tacitly accepted rules in intellectual discussions which assume that anyone espousing a point of view labeled "liberal" does so only from a pure and noble concern for the welfare of mankind.

I suggest that in fact many of the fears currently being voiced about the evils of science represent an ignoble reaction stemming from feelings of personal inadequacy. If a person decides that he is an intellectual and should therefore be running the world by virtue of his obvious superiority, he is faced with the fact that many of the forces shaping our civilization require some understanding of the sciences. This knowledge is acquired only after some years of effort. It is easier to seek refuge in activism. Maoism is popular with a segment of the college population not because of a burning concern for social justice but because it is a doctrine which implicitly denies the need for unpleasant mental exertion. Most scientists see themselves as liberals, but unfortunately not all liberals are scientists.

The most strident critics of science will not be mollified by pledges not to participate in "war-related" research or promises to change the emphasis of certain laboratories. They object to such undertakings as the Apollo program not because they are expensive but because they directly threaten their self-esteem. . . . How is freedom of speech bolstered by permitting someone to seize a microphone and shout obscenities for 5 minutes? The opinions of the young are formed by the old, or at any rate by the older, largely through the mass media. To counteract the bad impression many people are forming of science and scientists the first step is to stop agreeing blindly with the critics. The scientific community is at fault for allowing the situation to deteriorate as far as it has. . . .

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Ethical Standards:

In Search of a Protector

Recently, I have become aware of a dilemma for researchers in hospitals and private research institutes: there is apparently no channel through which

such individuals may carry appeals or complaints resulting from violations of ethical standards by their employer institutions. This has particularly serious consequences for those who are summarily dismissed without valid grounds for dismissal. In addition, the threat of such action can be strongly repressive and preclude maximal individual thought and creative effort. By contrast, the members of the academic community receive powerful and effective support in this regard from the American Association of University Professors.

I believe that the same high standards of ethical conduct which are virtually taken for granted in the academic world should also be established and practiced by institutions outside of that community. I urge readers of *Science* who support this view to write to the Executive Officer of the American Association for the Advancement of Science to request that the AAAS determine the possibility of its acting (as a counterpart to the AAUP) in behalf of individuals whose problem may be beyond AAUP jurisdiction.

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New Sites for Cities and Airports

On a recent flight from Newark, New Jersey, to Washington, D.C., we took off in the fog drifting in from Newark Bay, flew inland a bit and enjoyed clear air until we approached Washington, where again the mingling of cold land air and warm moist sea air produced undesirable airport conditions. Good seaports make poor airports. Most of our overpopulated cities developed because they had good seaports. But today's transportation is by air and we need airport-located cities.

Joachim Wohlwill's letter (23 Jan.) suggested population redistribution and referred to President Nixon's suggestion that new cities be built in places removed from present centers of population. Let the President appoint a city site-planning commission to encourage the growth of towns ideally situated, not only for a good supply of clean air and water, but also for good airports.

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