

spend 1 to 3 years in fresh water before swimming to sea. It is the conditioning of the young and retention of this "memory" to adulthood that is important. That the adults do not feed in the later stages of stream migration is beside the point. Fish become conditioned to many scents other than food odors, notably to odors which induce alarm, schooling, and recognition of sex and to the body odor of their school mates [see A. D. Hasler, *J. Fisheries Research Board, Can.* **11**, 107 (1954)].

ARTHUR D. HASLER  
Department of Zoology,  
University of Wisconsin, Madison

### Real Professionalism

There is grave danger to an already badly mangled academic freedom in one of the recommendations you cite as emanating from a report of an agency of the influential National Education Association [*Science* **132**, 439 (1960)]. I refer to the suggestion that college faculty members be required to hold state licenses.

Implementation would be greeted with loud cheers from state legislators from the rock-ribbed coast of New York's Feinberg Law to the sun-kissed shores of California's Levering Act. The most approving chorus would be the rebel yells of southern politicians.

An instructive example in point is found in South Carolina [*A.A.U.P. Bulletin* **46**, 87 (1960)]. There the governor succeeded in forcing two private colleges to dismiss professors he didn't like. This was achieved by having the State Board of Education refuse to allow any students of those colleges to qualify for licenses as public school teachers.

It is well known that teachers in the public schools and publicly supported colleges of the American South are afraid to take stands in favor of local compliance with Supreme Court desegregation decisions. Any state licensing of college teachers would intensify this fear at the college level and spread it systematically into the private colleges. It is not hard to anticipate the creation of the analog for college teachers of the literacy tests for southern voters which well-educated men and women fail consistently if they are colored.

Thus, the state licensing of college teachers would be, in the present atmosphere, an additional and effective weapon in the hands of the violators of academic freedom.

LEE LORCH  
University of Alberta, Edmonton

on metabolic maps all roads lead to  
**GLYCERALDEHYDE-3-PHOSPHATE**

and for a stable,  
crystalline substrate  
all signs point to  
**SCHWARZ**

**DL-GLYCERALDEHYDE-3-PHOSPHATE DIETHYLACETAL**  
(catalog symbol-GAP) (Monobarium Salt)

250 mg .... \$8.50      1 gram ... \$30.00

A simple procedure for the rapid conversion of GAP to DL-glyceraldehyde-3-phosphate is outlined in Bulletin No. 145. Copies are available on request. Schwarz BioResearch also makes many other materials that occupy important places on the complex map of metabolism. Included are Glucose 6-Phosphate, Ribose 5-Phosphate, Fructose 6-Phosphate, Phosphoglyceric Acid, Adenosine 5'-Triphosphate, 2-Deoxy-D-Ribose, 2, 3-Diphosphoglycerate and others. These are listed in the new 1960 price list. Send for your free copy.



**SCHWARZ BIORESEARCH, INC.**

Dept. AB • Mount Vernon, N. Y.

**BIOCHEMICALS • RADIOCHEMICALS • PHARMACEUTICALS**  
for research, for medicine, for industry