

they are currently allowed to develop. Flexibility in graduate training programs is an alternative to the unrealistic current paradigm that being specialized in a field allows scientists to perform all the things required of them with no training or experience other than many years of benchwork. Creating graduate programs that permit the integration of other relevant disciplines should not diminish the integrity of the doctoral degree.

Most, if not all of us, who have pursued a Ph.D. are to some extent enamored with the idealistic pursuit of science and do not desire that this ideal be discarded. However, retaining it should not be done at the expense of realism, nor should it prevent scientists from pursuing a career path that is intellectually, personally, and perhaps even financially rewarding. Entering graduate school should not require taking a life-long vow of relative poverty to appease the status quo's sense of intellectual integrity.

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Bloom questions the recommendations in the COSEPUP report to make graduate education more consciously career-oriented in a time of shrinking resources for science. For the record, the Council of the American Physical Society unanimously approved the following statement in April 1994.

Historically, students with degrees in physics have succeeded in a wide range of academic and non-academic careers. Therefore it is important for faculty members to make all their undergraduate and graduate students aware of the realities of the job market and to encourage them to prepare for a broad range of careers. Academic physics departments are urged to re-examine their programs in light of the changing opportunities.

This year, some 80 physics department chairs (representing 25% of U.S. graduate physics departments) attended a conference entitled "Physics Graduate Education for Diverse Career Options." These chairs reached a consensus (a formal statement will be issued shortly) that new students need to be informed realistically of their career options and that a much greater emphasis should be placed on preparation for and outreach to the industrial community.

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## Correction

The following sentence was omitted from the acknowledgment section of our report "Independent human MAP kinase signal transduction pathways defined by MEK and MKK isoforms" (3 Feb., p. 682) (1) because of an error. "A. Lin and M. Karin are acknowledged for informing us about the presence of an upstream in-frame initiation codon in the sequence of human MKK4/JNKK/SEK1 before publication."

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## References

1. B. Dérjard *et al.*, *Science* **267**, 682 (1995).

## Corrections and Clarifications

In the report "A nuclear-encoded form II RuBisCO in dinoflagellates" by D. Morse *et al.* (16 June, p. 1622), in the seventh line of the first full paragraph in the third column on page 1622, "glycine-cysteine" should have been "guanine-cytosine."

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