

Strax Suggests Tutor Service

the following letter was received by SRC President, Stephen MacFarlane from Dr. Norman Strax.

I am writing to ask that you consider the possibility of the SRC hiring me as a Resident Tutor in Physics during this 1971 spring term.

Under the sort of arrangement that I am proposing, I would work as a tutor from 2pm to 10pm two days each week, at some appropriately designated room in the SUB. Anyone taking a physics course could then come to see me there, and I would help him in any way he desires—by explaining material he has trouble understanding, or by working out homework assignments with him, or by helping him prepare for exams. A salary of something like \$48 per week would probably be appropriate for the SRC to pay me for this.

I think I am competent to do tutoring in any of the physics courses at UNB, as well as some of the mathematics courses and some of the engineering courses. I am especially familiar with the material covered, the homework problems, and the exams in the courses like Physics 1000 that have large enrolments (and thus affect a relatively large number of students on the campus). The fact that I would be an employee of the SRC rather than the Administration would probably lead to subtle advantages, since my loyalties would be totally toward the students I was tutoring rather than toward the Administration or faculty members.

I suspect that there would be sufficient demand for physics tutoring on this campus to keep me busy for two 8 hour sessions each week; however, if any of the time is left over I might be able to use it to hold a series of introductory lectures and or discussions on exotic topics in cosmology, astronomy and physics. Some subjects that

could be covered might include: the size of our galaxy, the number of stars in our galaxy, the number of galaxies in the universe; the genesis and development of the universe; the probable number of planets in the universe, the probable number of planets with intelligent life on them, the prospects and methods for interstellar communication with civilizations elsewhere in the universe; general relativity, the expanding universe, non-euclidean geometry; special relativity, time dilation, Fitzgerald contraction, the twin paradox; anti-matter, magnetic monopoles, nonsymmetry between left and right; quantum theory, theory of

measurement, the strange properties of quantum fields; the relevance of these topics to philosophy, epistemology, ontology, and existentialism.

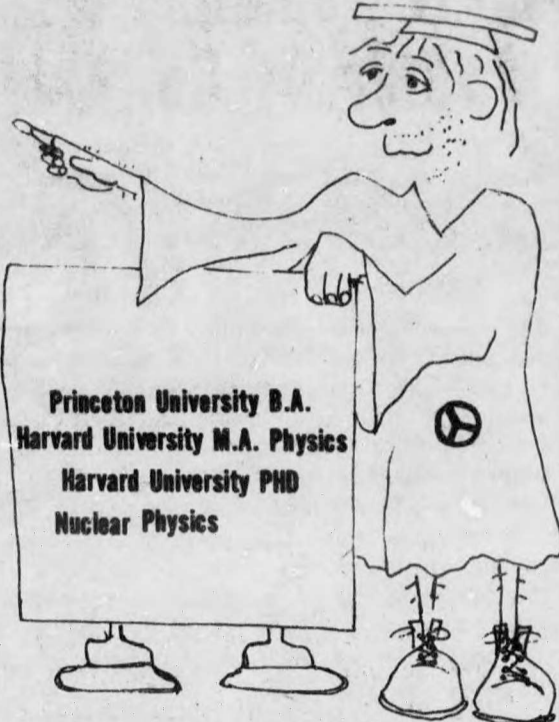
I would appreciate it if you would give this proposal your serious consideration, and let me know if you would like to accept it (either as I have outlined it, or with any modifications you might care to make).

Norman Strax

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Nuclear Physics

A. Church.
JANUARY 15/71.

A RECORD OF ACADEMIC ACHIEVEMENT

Resumé

Norman Strax
P.O. Box 1582
Fredericton, N.B.

Education and Degrees Obtained:

Princeton University, BA
Harvard University, MA (Physics)
Harvard University, PhD (Physics)

Teaching Experience:

Harvard University (Teaching Fellow)
University of New Brunswick (Asst. Prof.)
Courses taught: Introductory Physics. Introductory Physics for Liberal Arts Students, Theoretical Physics. Nuclear Physics.

Research Experience:

Oceanographic research using ship of Lamont Geophysical Observatory (Columbia University);
Pion production experiments using proton synchrotron at Brookhaven National Laboratory;
Kaon lifetime measurements using proton synchrotron at Brookhaven;

Polarized nucleon scattering experiments using 160 MEV synchrocyclotron at Harvard University;
Theoretical analysis of a possible mechanism for the genesis of the earth's moon;
Theoretical analysis of the isospin dependence of nucleon-nucleon scattering;
Theoretical analysis of symmetry properties related to magnetic monopoles.

Research Articles:

"Measurement of the Triple-Scattering Parameter D_3 in the Free n-p System", Phys. Rev. Letters 8, 491.
"Measurement of Neutron-Proton Polarization at 126 MEV", Phys. Rev. 134, B595.
"Measurement of the Triple-Scattering Parameter AT for Free Neutron-Proton Scattering", PhD thesis, Harvard University.
"Nonsymmetrical Property of Magnetic Monopoles" Am. J. Phys. 32, 615.
"Magnetic Monopoles, Weak Interactions, and Angular Momentum", Am. J. Phys. 33, 102.
"Magnetic Charge, Weak Interactions, and the Symmetry between Electricity and Magnetism", Can. J. Phys. (to be published).

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