

Theoretical Physics Wins For FHS Student

Bill Spence Places In National Talent Contest

Quantum mechanics, elementary particles, baryon fields, quarks—they're all common-place things to William Spence, 17, son of Mr. and Mrs. William R. Spence, 31632 Marblehead, Farmington.

It will clear things up for you if you're told the above have to do with matters in theoretical physics, a field Spence plans to major in at Massachusetts Institute of Technology.

Self-taught in quantum mechanics, relativity, elementary particle theory and other as-

pects of theoretical physics, the Farmington High senior has been named one of 40 national high school senior winners in the Westinghouse Science Talent Search. A total of 23,471 students competed in the search.

IT NATURALLY follows that Spence's favorite school subjects are math, chemistry and physics, although along with these interests he has found time to be on the FHS debate team.

At MIT, this astounding young man hopes to do theoretical research in physics, particularly in the field of elementary particles.

For his Talent Search project he wrote a mathematical paper which developed on algebra of baryon fields.

We know you know, but if you have doubts—baryons are one of the classes of fundamental particles, or quarks, from which matter is thought to be composed.

AS A TALENT Search winner, Spence is eligible to win a \$10,000 scholarship. His entry is currently being judged in a regional talent search.

Westinghouse scholarships and awards during the five-day Science Talent Institute beginning Feb. 28. Winners of the top 10 scholarships will be announced March 4.

And let's hope the judges of that contest understand baryons, quarks, particles, etc., etc.



BRAINY BOY — Bill Spence, Farmington High School student, explains to teacher Ed Grieger the intricate physics formula he developed which made him one of 40 national winners in a science talent contest.

'Ethan Frome' At Schoolcraft

An adaptation of the Edith Wharton novel "Ethan Frome" is the first of two plays scheduled by the Schoolcraft College Masque Players for the winter semester.

Performances are scheduled Feb. 7 through 10 in the lower level of the Lois L. Waterman Campus Center. Curtain time is 8 p.m.

FEATURED IN the Owen Davis-Donald Davis dramatization will be Patrick Spence of Northville in the title role, Linda Rasmussen, Livonia; and Noel Little, Detroit.

Scenery, lighting and costumes for the three-act production are the assignment of members of the drama workshop class. English Instructor Ralph B. Kelley is the director.

"Ethan Frome" made its debut on the American stage in the late 1930's and featured Raymond Massey and Pauline Lord in the Broadway version. Tickets for all four performances may be purchased at the

college's Office of Instruction.

THE SECOND attraction of the series—scheduled for early April—is a pair of original one act plays.

One play, written by the students, is titled "Fold, Spindle and Mutilate."

The other, a musical, was written by Kelley and Dr. Hans Kolbe, an evening college faculty member. Titled "Jonah" the story is based on the Biblical character's belief that the solution to the troubles of the world was to burn the city of Nineveh.

A cast of 35 students, with Camille Delabio of Livonia and Diane Rutting of Northville in the leading roles, is being assembled.

The two attractions will be presented on a single bill the nights of April 4 through 6. Kelley will direct both productions, assisted by a student director for the "Fold, Spindle and Mutilate" production.

Dr. Kolbe will provide piano accompaniment for the musical.

Dunes Park Could Be Business Boon

Michigan State University, in a report released in Washington, estimated that the Sleeping Bear Dunes area would see a \$10 million-a-year tourist boom within five years of the creation of a national lakeshore park in the area.

The report, released by Senator Philip A. Hart, D-Mich., a park proponent, noted that the economic impact in Benzie and Leelanau counties could reach \$20 million annually if one adds government construction, maintenance and operation costs.

THE PARK WOULD have an estimated three million visits yearly, the MSU report estimated.

The report also pointed out that any tax losses sustained by local counties and school districts would likely "be more than offset by the potential economic gain which the park could conceivably generate."

The new assessment of the park's economic impact was prepared by MSU's Institute for Community Development and Services under contract by the National Park Service. The same institute has been involved in a Farmington area government study.

It was presented as Hart prepared for another push for congressional approval of the park. Hart's proposal last week passed the Senate and has once been favorably reported by the House Interior Committee. It failed by days of getting to the House floor.

THE REPORT examines complaints from local opponents that the two counties and three school districts would lose substantial revenue through federal purchase of private lands.

It concludes that a federal park would remove land from the tax rolls that now produces about \$70,000 yearly in revenue. However, the report points out that:

1. The land would be purchased over at least a five-year period.
2. The school districts would become eligible for an additional \$40,000 in federal and state aid.
3. The remaining tax losses could be recouped with a one-half mill tax hike and even this might be unnecessary as land values and business activity go up.

Birthday Gift A Little Late

Christine Ehnman's gift for her sixth birthday is arriving 10 years late.

A secretary for Judge Samuel Straus of Allegheny Court found an envelope addressed to Christine in a lawbook while researching a point of law.

The envelope, with a birthday card and \$1 enclosed, apparently was inadvertently used as a book mark.

Straus added a two-cent stamp to the three-cent stamp on the envelope and mailed it to Christine, who is now 16.

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