Butler County In-Service Science Institute
tion and to select the students that are to be enrolled in the Science Seminar. These students selected for Science Seminar would have taken biology in the 9th, then chemistry in the 10th, and finally physics in the 11th. Thus, having an exposure to the basic sciences, they would have some idea of that particular branch or field of science they wished to study more deeply, more completely.

A student is prepared for senior Science Seminar by early detection in his or her high school career and careful guidance through all the mathematics and science courses offered at Fort Madison Senior High. Preparation also includes the encouragement to prepare science fair projects, present ten minute talks at a conference science day, and write research papers.

The students selected for this course are required to (1) do research and prepare eight research papers; (2) prepare two science projects, (one of which is entered in the local science fair and then in the state level science fair) and, (3) present a ten minute illustrated talk at the Southeast “6” conference science day, which is somewhat like a Junior Academy of Science meeting.

The first year we had four students enrolled in the course. There were only two students enrolled the second year partly due to student enrollment problems and to class periods available. Our tentative enrollment for next year is five students.

Some of the problems that we have encountered using this additional course in our curriculum are as follows: (1) enrollment, (2) scheduling, (3) facilities, and (4) instructors.

Garland Smith, with his Hawkeye (State) Science Fair Project, the “Bubble Chamber”. Garland, the son of Mr. and Mrs. Manford Smith, Montrose, Iowa took all of the Science courses offered at Fort Madison High School, including the senior Science Seminar. He was 7th out of 190 in his senior class.

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**BUTLER COUNTY IN-SERVICE SCIENCE INSTITUTE**

The Butler County science teachers association met in the Allison, Iowa High School science rooms at 4:30 p.m. on Thursday, November 11, 1965.

The agenda follows:

1. Talk by Guy Olson—Butler County Coordinator
2. Rochester—Wilbur Englekies
3. Science high school programs—Wilbur Englekies
4. Junior Academy of Science—Gerald Siefert
5. Discussion Topics
   a. Ways and means of financing the science institute
   b. Six additional meetings for 1965-66

Programs for the 1965-66 school year will be held at the Allison-Bristow high school building in Allison, Iowa. Monday was chosen as the meeting dates for this year. The meetings for the remainder of the year are as follows:

- December 4 at 9:00 a.m.—Astronomy field trip to Luther College
- January 12, 1966—Speaker at Coe College
- February 5, 1966—Chemistry: Salisbury trip
- March 14, 1966—Speaker from Collin’s Radio of Cedar Rapids
- April 4, 1966—Trip to Ames, Iowa with Dr. John Lemish as speaker
- Field trip in May—Date to be determined later according to condition of flora and other regional points of interest