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The Rose Tech Explorer Staff
Rose-Hulman Institute of Technology

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The Belles of Indiana were a real attraction at Wednesday’s convocation. They sang beautifully too. (Valbert)

Saint Marys Stages

“King And I” Sunday

Students from Rose, and other places, have been facing and confronting. St. Mary’s of the Woods women for years now the tables are turning and the women of St. Mary’s have been preparing since the first of February, to entertain the men of Rose.

How do they intend to accomplish this? How else but by presenting the Rogers and Hammerstein musical “The King and I.” The musical will be the combined production of the Drama and Music Departments of SMW, with a cast of sixty five, composed of women from the four colleges at the Wood’s and approximately twenty three children from the area.

For those who are unfamiliar with the play, it is based on the experiences of an English Governess, Anna, in Siam to tutor the heir. The musical opened on Thursday evening, April 5th. Approximately 500 people attended the play, which was performed in the new auditorium.

Domingh Aircraft

Trip Planned April 5

The student chapter of the IRE, AIEE is sponsoring a plant trip to McDonnell Aircraft Company of St. Louis on Thursday, April 5th. Approximately 50 electronics and 20 mechanical students will be on the trip along with 5 members of the E. E. department.

McDonnell is the manufacturer of the Mercury space capsules that Alan Sheppard, Virgil Grissom and John Glenn have been engineering. McDonnell also produces the famous Voodoo fighter aircraft for the U. S. Air Force and the Phantom series of fighters. The Voodoo is currently the only fighter aircraft being bought by the Air Force as it has been declared superior to all other Voodoo aircraft. The first 99 of jet fighters are the current world record holders for both the top speed and highest altitude attained. McDonnell is expected to be produced in the world today. The approximate records are 1,271 m.p.h. and 50,000 ft. altitude for sustained flight. Mr. Jeglia of the M. E. department, who also teaches in the E. E. department, is a former employee of McDonnell.

The trip will begin bright and early with the activities starting at 7:30 A.M. McDonnell is providing transportation, lunch and shelter. The tour will consist of a tour of the plant and the research and development department, a movie, and the flight. Of course the plans have been kept secret. The buses should return about 5:00 P. M. Thursday evening.

Greek State Days

Alpha Tau Omega State Day

March 30 this year was held at Rose Fieldhouse. There was a basketball game which Indiana University won. After the game the conference was opened the afternoon meetings, a banquet was held at the Union Building. At the banquet the attendance and scholarship awards were announced. C. W. Copeland received the Thomas Clark award for the prominent.

Lamda Chi Alpha's State Day

Activities included a tour of several headquarters and a dinner. In addition, Lamde was also the scene of Sigma Nu State Day. It is thought that most of the activities were a dinner and a dance. Those who didn’t go were those who just didn’t want to go. To be a Rose man means you have to hang around with the gals. Of course all the Juniors are prejudiced, but if you talk to any of them about the dance you will never see just how big the dance will be. The music for the evening will be by the Jack ‘Gee’s’ Hildreth band.
LABS ARE OBSCURE

The great variety of objectives which laboratory courses are intended to fulfill are being clouded by a technical overemphasis on derivations and computations going on. This problem is particularly acute in an engineering college where students are required to take about a third of their academic work in laboratory courses.

Freshman Chemistry is primarily a rush to get everything done. The course is over in four weeks and a half hours are up so that all the blanks can be filled in with the proper color or formula (which did not evolve from laboratory observations) is the objective. Leadership Laboratory as well as two class hours of lecture, some of which is grossly important to every student (the colors of different gases in flames; reading military maps, arrangements of the storm centers of one credit offered, as well as the natural will to revolt against discipline. The math crediting system indicates that somehow, a lab is locked away in that course.

Freshman Physics lab is a rude awakening — long formal reports must be written which dispel the utopian theory behind the crediting of labs that little or no outside work is done. In the sophomore departmental courses take up the slack in labs which never really existed. Widely divergent paths are now observed in the philosophy of a lab.

The Chemical Engineering Department has a goal of familiarizing students with equipment and formal writing. A similar philosophy seems to prevail in the Mechanical Engineering Department. The electrical department says a good lab involving circuits and electronics to get in a few more facts on theory, get in more problem working and unique among departments — emphasis on lab journals rather than any particular lab report. Such courses in the Civil Engineering department at Surveying are imperatively lab courses. A course such as Fluid Dynamics deals with solving the problems which are already set. Fluids also gives valiant practice in formal report writing, group supervision and valve twisting.

Familiarization with equipment and laboratory procedures takes up a major part of the time of the instructor and engineer and scientist. Teaching aids are valuable. Good report writing makes a good engineer. The widespread opinion among students is, however, that laboratories do not teach as much as they should.

It seems that an increasingly complex scientific curriculum dictates that the faculty critically examine the required laboratory work. Doesn't it seem the Letters and Reports course (which is given after four semesters of English where the student is supposed to be expanded to give the additional formal report writing laboratory courses seem to require. Could laboratory procedures be taught as an orientation or departmental laboratory course in one or two semesters? As teaching aids, can't films be employed? Wouldn't it be worthwhile for instructors to use individual experiments in a group of classwork with pre-tested equipment which will demonstrate a principle rather than the class of students wasting their time?

The business world today demands that engineers make methods obsolete. Our labs cannot hope to keep up with advancements or to teach us what future employ- ers will want to know. By the time we are situated in the laboratory proceedure and equipment familiarization II, we might be ready to make a predominance of decisions which laboratory courses seem to require. Could not another half hour be taught as an orientation or departmental laboratory course as the time should warrant.

It seems that the expanding basic theory which must be absorbed might be ready to make a predominance of laboratory work. Doesn't it seem the letters and courses are intended to fulfill are being clouded by a technical overemphasis on derivations and computations going on. This problem is particularly acute in an engineering college where students are required to take about a third of their academic work in laboratory courses. For those demanding a rigorous definition of terms these two nicknames are referring to the large number of students on campus. The national average for groups of engineering students is around 500, the large amount of Alpha Tau Omegas who work on the Modulus, Crow, and Taus pulled up stakes and dropped the whole load in somebody else’s lap? They wouldn't come out at all and you know it, unless of course the professional para- mount is the overriding concern of the student body who expect something for nothing and, unfortunately, have been getting it.

Let's talk! And the Rose faculty and officers saw the student body who expect something for nothing and, unfortunately, have been getting it.
Focus on Faculty

During the 1959-60 school term, the Rose Poly humanities department added a new man to its ranks, Prof. Reid Bush. Prof. Bush came directly from graduate school at IU, where he received an English degree, to assume the position of an English instructor here. Since coming here however, he has taught 20th Century Novels and is currently instructing a popular course in Shakespeare.

While at Harding Prof. Bush met his very lovely wife Barbara. Since arriving here they have added another member to the census taker's polls. They have a two Katrina, 4 and Mark, 2.

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Coach Calls For Stickmen
by Gus Carroll

With the end of the season come another week, Coach Carr hopes that all Rose men will be able to make a serious effort anywhere they go. The team will respond to the call for every game. Coach Carr, with the strong backing of such returning veterans as Mike Adams, Tom Coffin, and Don McCullough, is looking for the best team of the year. Even now, the strong team outfield, the team has some serious deficiencies. The pitching, especially, is lacking, the starting rotation of which is made up of the first third of pitchers of last year being gone. Other weak areas are the third base and second base. Coach Carr feels that only time will tell if the outcome of this season's effort will be too early in the season and the team as yet too immature for any predictions. Last year's team pulled off an overall record of four wins and nine losses before the team standings being 4-6. In the non-conference field, they lost eight to Franklin and twelve to Marion. By March 12, 1962, an overall record of four wins and six losses had the team standing 4-6. However, in the non-conference field, the team lost eight to Franklin and twelve to Marion.