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98
Days Until
Christmas

the Rose Thorn

Gridiron
Winning Streak
at 7

News Briefs

Graduate school seminar Sept. 25

Officials from eight graduate schools will be on campus Sept. 25 to interview juniors and seniors who are interested in pursuing a Master's degree.

The program is sponsored by the Office of Placement.

Rose-Hulman is one of the few engineering colleges in the nation to offer its students such a program, notes Bill

Sisson, director of placement and corporate relations. The graduate school representatives will conduct individual interviews with students and conduct a general information session.

Students wanting further information should contact Sisson in the Templeton Building.

Quarterly receives honors first place

The Quarterly, Rose-Hulman's literary magazine, has received a second-place rating from Columbia University Scholastic Press Association for the 1986-87 school year.

The Quarterly received 787 rating points of a possible 1,000. To receive a first-place rating the publication needed a score of 850 points or higher. The strengths of the Quarterly were in concept where it scored 130 of a possible 150 points and in content where it received 437 of 500 points.

Other areas that all literary publications in the nationwide competition were judged on were design and creativity.

Responsible for much of the magazine's success in its first entry in the competition were advisor Leslie Ballard, now a teacher at Terre Haute North High School and editor Mike Wack, a graduate student in mechanical engineering at Rose.

Published once per quarter, the Quarterly contains fiction, art and essays contributed by Rose students and faculty.

SGA Senate membership and elections

by Todd Kost
SGA President

This is just a reminder that petitions for seats in Congress are due at the switchboard by 4 p.m. on Monday, Sept. 21. Each candidate must obtain five (5) signatures from his

district, ie. residence halls. Upperclassmen must have at least a 2.0 GPA to qualify for a seat in Congress. The election will be held on Friday, Sept. 25, by the mailroom.

Bonfire plans underway

Members of the Rose-Hulman freshman class departed the sophomore class president on Sept. 10, touching off the annual battle between the freshman and sophomore classes that will climax in a huge bonfire on Homecoming weekend.

According to Captain Mark Pitcher, assistant professor of Military Science and coordinator of the Homecoming bonfire activity, Sophomore Class President Jeff Hanson was departed on Sept. 10 about 5 p.m. near Speed Hall.

This event marked the beginning of an interclass "war" between the freshmen and the sophomores. This conflict will be especially visible from Sept. 27 to Oct. 9, the time period over which the freshman class plans to construct the Homecoming bonfire.

As freshmen begin to erect the structure consisting of railroad cross ties, sophomores will make an effort to prevent the completion of the more than 30-foot-high outhouse-topped structure. Some past sophomore attempts include the placing of the cross ties in

the Lost Creek and around the cars of faculty members. When the sophomores have captured the outhouse, they have often placed it within the view of Dean Jess Lucas' house.

When the freshmen have completed the structure, a chemical fuse is used to ignite the structure into a huge inferno. This event is scheduled to take place on Oct. 9 after the Homecoming pep rally.

The construction of the bonfire is scheduled to begin on Sept. 26 at 7 p.m., according to Pitcher. Freshmen should meet in the lounge of Speed Hall at this time. Freshmen will then take on the task of moving the cross ties to the bonfire site. A minimum of 150 freshmen will be needed for this effort. Those who will be participating should bring old clothing. Shorts should be avoided. Gloves will also be needed, and the effort should last all day.

Pitcher also said that sophomores should leave the freshmen involved alone until after the 26th. After this date the freshmen are open game.

Hall Olympics conclude BSB on top

by Peter Rudd

Rose-Hulman's Hall Olympics concluded Sept. 11 with Baur-Sames-Bogart Hall on top. The Hall Olympics were a series of competitive, fun-oriented events, organized by the resident assistants of each residence hall.

This year's activities were, as usual, bizarre - ranging from the Jell-o snarf, which is self-explanatory, to the Raw-fo-gut: tug-of-war backwards, barefoot, on wet grass. The triathlon in-

involved three unusual events: a three-legged race, four men carrying one by his limbs, and a final swim out to the dock on Speed Lake and back.

In the Dizzy Bat competition, each team member had to run to a softball bat, stand it on end, place their forehead on the bat, spin around it, and run back. BSB Hall placed first overall, Deming was second, and Speed Hall came in third.

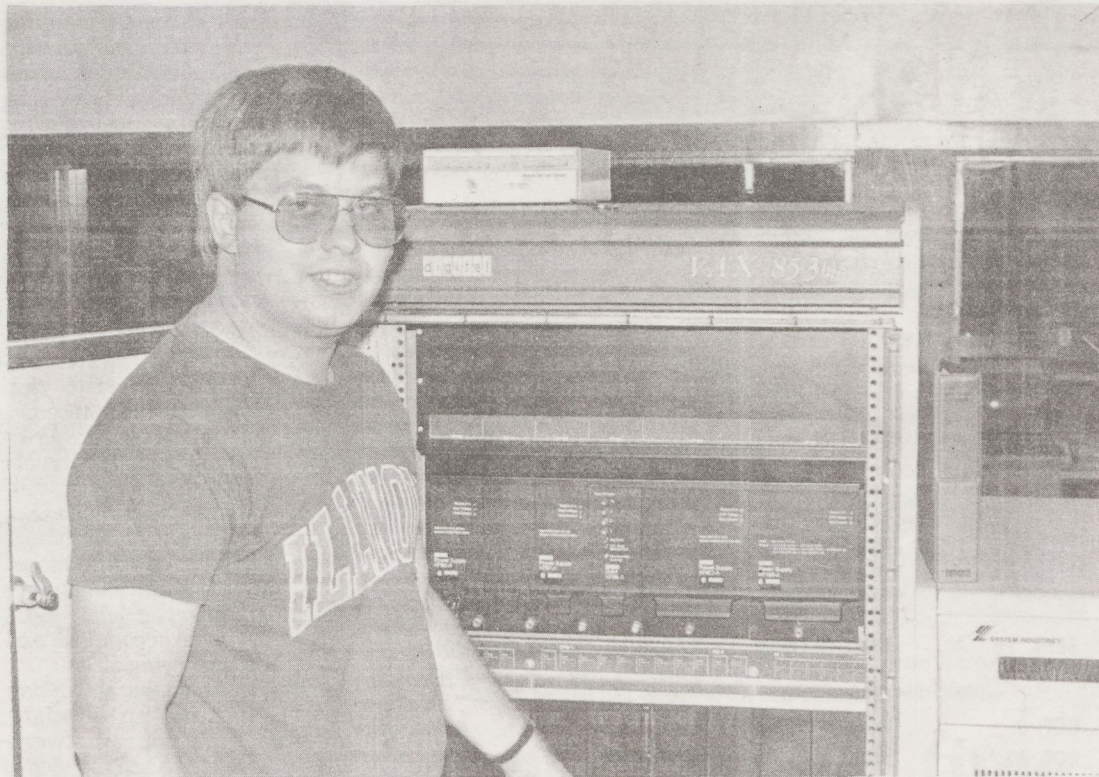


photo by Tim Mulzer

Larry Alldredge displays the new VAX V-8530 recently installed in the computer center.

Computer center receives new VAX

by Ben Niccum

Rose-Hulman's Computer Center received a new VAX at the beginning of the school year which is capable of handling more information faster than before with more efficiency. VAX stands for Virtual Addressing Extended, and is the mainframe in Rose's computer center. Assistant Director of Academic Computer Services Larry Alldredge said the new VAX has 32 megabytes of memory compared to the 20 megabytes the old VAX had.

According to Alldredge, Rose was outgrowing the VAX V-11-780, and its maintenance costs were high. The new VAX V-8530 cost \$450,000 replacing the older model which cost \$350,000. The new system is four times faster than the one it replaces, and it can handle 70 to 80 users which is more than double the previous capacity. Alldredge said, "The new VAX is the same as the old VAX functionally, but it is faster, totally compatible, and can service more people."

Assistant Student Manager of the computer center, Bob Shew, says the new VAX puts off less heat, and occupies less than one-fourth the space of its predecessor. The VAX is equipped with nine deck servers which function as an intermediate step between the terminals and the mainframe. The deck servers assist the VAX in running quickly and efficiently. Shew said that the replacement of the old VAX will help everyone spend less time in the computer center.

Tektronics aids in acquiring EE equipment

by Craig Stucky

The Electrical Department in the new Moench Hall has some new equipment that is long overdue. According to Dr. Buck F. Brown, the chairman of the department, \$1 million has already been invested in new up-to-date lab furnishings, and proposals for as much as \$3 million more are pending.

Among the new equipment, with a price tag of about \$17,000 apiece, are 10 spectrum analyzers. There is one spectrum analyzer for each bench in the new Communications Lab of the EE Department. Also in the lab are new oscillators and oscilloscopes. This lab will be used in the EE major's junior year. Dr.

Brown stated that the 10 spectrum analyzers Rose-Hulman has is an unprecedented number for an institute of its size. He added that the acquisition of six more was in the works.

Almost all of the equipment bought thus far is from the Oregon-based company called Tektronix. One reason that this company was chosen was that it was willing to match a \$50,000 grant offered by the National Science Foundation (with the stipulation that Rose must also match that amount). Tektronix not only matched the amount, but was also very receptive to budget limitations. The grant given to Rose by Tektronix was

the biggest it has ever offered to any school. Another reason Tektronix was selected is that it produces a variety of products and is easily expandable.

EE is interested in acquiring equipment from other companies including Hamdon Engineering which will supply energy conversion equipment.

Dr. Brown stated that this "major equipment acquisition" can hopefully be maintained to be useful as long as possible. He added that some furnishings like the energy conversion supplies will last as long as 10 to 15 years whereas some of the high-tech electronics could be outdated as soon as three to five years from now.

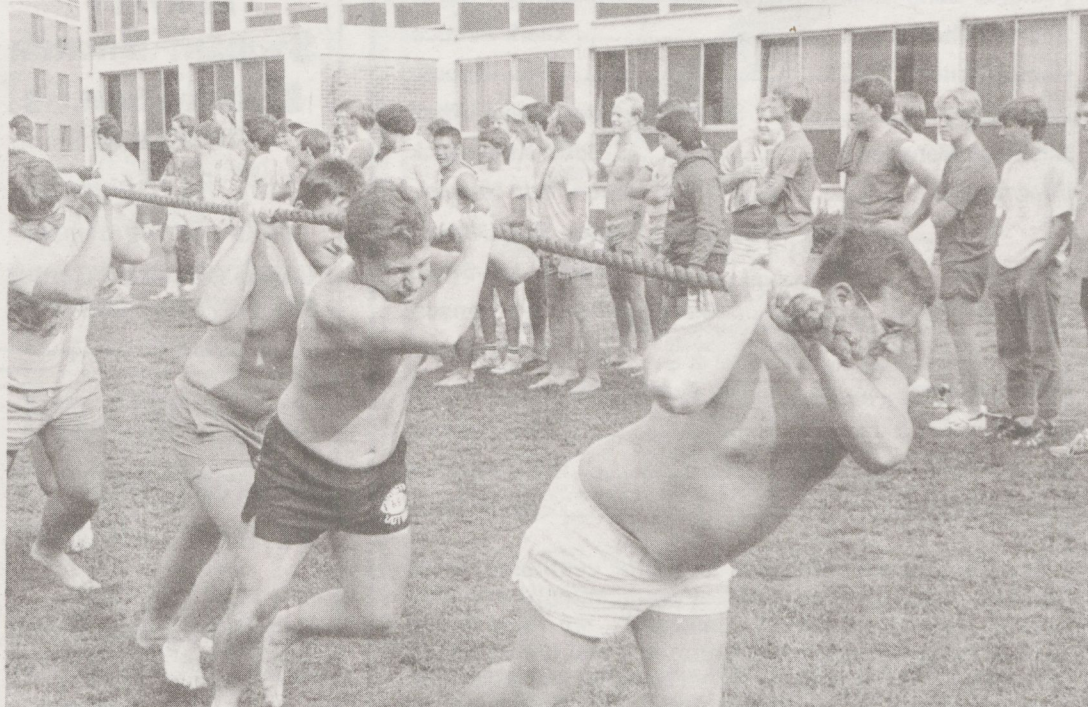


photo by Tim Mulzer

RA Floyd Yager leads BSB to victory in the Hall Olympics raw-fo-gut, tug-of-war backwards, with Steve Ickes, Eric Tucker and Bryan Hahn.

Opinion and Columns

THE FINE ARTS SERIES

Sept. 26 — The Percussion Group
Oct. 17 — Boyce Holleman is Clarence Darrow
Nov. 7 — Cohen/Robert, piano/violin duo
Dec. 12 — Austin On Tap
Jan. 23 — Broadway a la Carte
Mar. 26 — Engineers in Concert
Apr. 12 — The Audubon Quartet

All concerts will be on Saturday at 7:30 p.m. in Moench Hall Auditorium. Ticket prices are as follows: Single admission adults, \$3.00; Sr. citizens and non-Rose students, \$1.50; Rose-Hulman students, FREE

WABASH BATTALION ROTC EVENT SCHEDULE

The following is a list of events, both training and ceremonial in nature, that may be of interest to those involved in the ROTC program. The Wabash Battalion is an organization of over 750 cadets encompassing five colleges and universities in Terre Haute and Southwest Indiana. The Reserve Officers Training

program commissions over 50 lieutenants each year for duty in the National Guard, Reserve or Active forces. Cadets are college students as well as officer candidates. Their interests and achievements range from varsity sports and fraternity-sorority activities, to national recognition for academics and community affairs.

DATE	EVENT
SEPT. 23	AWARDS CEREMONY AND CHANGE OF COMMAND A ceremony honoring senior cadets and other award winners from the battalion.
SEPT. 29	ROSE-HULMAN SCHOLARSHIPS AWARD CEREMONY A ceremony presenting students with their scholarship certificates in front of friends and faculty.
OCT. 9	ROSE-HULMAN BONFIRE
OCT. 10	ROSE-HULMAN HOMECOMING
OCT. 5-10	RAPPELLING LAB AT INDIANA STATE U Students will overcome their fear and gain valuable confidence in themselves by rappelling down a sheer wall. Interested non-cadets welcome.
OCT. 17	FIELD TRAINING EXERCISE A one-day exercise planned and run by the senior cadets.
OCT. 24	FIELD TRAINING EXERCISE
OCT. 20	INDIANA STATE SCHOLARSHIP AWARD CEREMONY
OCT. 30-NOV. 1	RANGER CHALLENGE COMPETITION An intense competition between schools with ROTC programs. A squad of nine cadets participates in eight different military skills events for score. The two top teams compete in regional events and eventually nationwide.
OCT. 31	INDIANA STATE HOMECOMING
NOV. 7	ROTC DAY AT FT. BEN HARRISON An event-filled day at Ft. B.H. that allows cadets to talk with soldiers on active duty. Cadets from all over a three-state region participate.
NOV. 11	VETERANS DAY OBSERVANCE
DEC. 5	SPELUNKING TRAINING AT WYANDOTTE CAVE
JAN. 17-23	SKI TRAINING (LOCATION TO BE DETERMINED)
APR. 9-10	FIELD TRAINING EXERCISE A training exercise involving the entire cadet battalion, planned and executed by the senior cadets.
APR. 29	MILITARY BALL Formal dress ball with full military honors and ceremony.
MAY 7	COMMISSIONING OF OFFICERS AT INDIANA STATE
MAY 21	COMMISSIONING OF OFFICERS AT ROSE-HULMAN

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The Rose Thorn welcomes letters or comments from readers. Articles, ideas, and announcements are also desired. In view of length constraints, we reserve the right to limit the lengths of comments and use excerpts from letters. All submitted material must be signed. All material should be submitted at least one week prior to publication.

HELPFUL HINTS FOR STUDENTS

Editorial note: Due to lack of space it was not possible to run this article in the freshman orientation issue as was intended. We feel, however, that it applies to all Rose students and is still worthy of note.

If you wish to be successful at Rose-Hulman, this will have to change. You will need to learn how to study as well as how to manage your time. So how do you go about learning time management and study skills? It will take some work, practice, and patience on your part, but it is possible to accomplish. I have several suggestions to help you on your way to success at Rose-Hulman. Each of these items is a general statement which must be adapted to your own needs and circumstances.

1. Put in writing your short-term and long-term goals as they relate to your Rose-Hulman experience. "Set goals and establish priorities." Study skills and time management techniques are much more effective when you know what you are trying to accomplish and where you are trying to go.

2. Study should be an all-day process and not an all-night process. Free hours between classes should be used for study. The early evening should be used to complete your study. The best time to study is when you are most alert and your concentration is at its daily peak (this might even be in the early morning).

“SET GOALS AND ESTABLISH PRIORITIES.”

3. You should average 6-8 hours of sleep each night. It is best to be somewhat consistent in the number of hours you sleep each night. In other words, do not sleep three hours one night and 11 hours the next night to make up for the loss of sleep the previous night. Sleep deprivation is a big problem at Rose.

4. Where should you study? It depends on where you feel most comfortable studying. Generally, it is best to have few distractions, but many people are able to study best when music or head phones are on. Research has indicated that studying to music has mixed results. In some cases it does improve

study. In other cases it has proven detrimental to study. Study where you feel that you can concentrate best and achieve the desired results in the shortest amount of time.

5. Evaluate whether you should study on your own or with others. Studying with others all the time might allow you to rely on those others to do the work for you. On the other hand, if you study on your own all the time you may find yourself spending an inordinate amount of time on one problem or just a few problems. You should study with others when it is helpful. But you should not rely on others to do your work for you. One of the reasons freshmen are placed in the residence halls together is so they can work with one another on their assignments. Sophomore Advisors are there for the same reason. The common freshman year curriculum also lends itself to group study or at least allows each freshman to ask questions of his neighbor.

“STUDY WITH OTHERS WHEN IT IS HELPFUL”

6. Many students write off Friday and Saturday nights entirely. They have never considered using either of these two time periods for study. If you have problems keeping up, consider using some of this time for study. It's a lot better than studying all day and all night on Sunday. I certainly am not asking you to give all your spare time or time allocated to "partying." However, consider using a portion of this time to help you catch up, keep up, or bone up.

7. A daily study schedule is essential. Nearly all successful students and executives use a study schedule or a "to do" list. Some study schedules specifically outline each hour of the day. Other study schedules are less detailed and may simply be a "to do" list. A study schedule may seem a very rigid way of going about your day. However, it really allows you more flexibility. By planning your daily study, you have more flexibility

with your free time. A study schedule builds in spaced study and eliminates the need for "cramming."

8. Each Rose student should spend 1½ - 2 hours studying for each hour spent in the classroom each week. If a student is taking 16 hours of classes, this amounts to 24 to 32 hours of study each week or five to six hours of study each day, five days per week.

9. Spaced study is best for long-term retention of material. Cramming may be helpful in the short run, but it will cost you in the long run. Engineering and science courses require you to remember what was taught in previous courses. Cramming may get you an A on the one test, but it will not help you in the long run.

10. Avoid "all-nighters" at all cost. The key to avoiding "all-nighters" is to keep up on your homework. "All-nighters" drain your energy for 2-3 days. They decrease your ability to concentrate and to remember information. Good study skills will decrease your need for "all-nighters."

11. Attend help sessions when necessary. Help sessions are offered to supplement the weekly classes. Math help sessions are offered every quarter. The help session allows you to ask questions while working on your homework.

“GET TO KNOW YOUR ADVISOR”

12. See your professors when necessary. Our professors are here to help students. We sell ourselves to parents and students bases on that very fact. You may find it somewhat uncomfortable talking to a professor (a Ph.D. to boot), but they are here to help you. Give them a chance and you'll be surprised at just how helpful (and willing to help) they can be.

13. Your advisor is another resource person who is here to assist you. Freshman Advisors volunteer to be advisors. They want to work with and help students. Get to know and feel comfortable with your advisor.

Pete Gustafson

The Thorn has the opportunity to obtain crossword puzzles for print. Any comments pro or con may be sent to box-170.

“COME AND SEE”
(Jn. 1:39)

Come to learn about following Christ in the Catholic Tradition



An opportunity to explore the Catholic Faith is being offered by Saint Joseph University Parish.

Classes will be held at 7:30 p.m. on Wednesday evenings, beginning September 23rd. For further information and location, contact St. Joseph University Parish, 113 South Fifth Street, 232-7011.

When the disciples were interested in knowing Jesus, He told them: "Come and see." He continues to extend that invitation to life.

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Sports

Winning streak continues

Engineers beat Hanover 27-20

by Ray Urbanic

The Fightin' Engineers took a whole year's worth of anticipation and desire out on Hanover, coming out on top, 27-20, in front of a large home crowd and avenging last year's 22-21 heart-breaker. The victory put Rose-Hulman at 2-0 while dropping the 8th-ranked Panthers to 0-1.

For the second straight week, Tony Broadnax filled the workhorse role for Rose-Hulman, collecting 269 all-purpose yards, including 174 yards rushing on 34 carries. Quarterback Jason Duff also provided much-needed firepower, throwing for two touchdowns and running in a third. The final 12-yard scamper proved to be the winning score.

The Engineers' defense, led by Chris Szaz, Pat Thomas, and Ken Pierce, provided constant pressure on Hanover's quarterback; breaking up passes, sacking the quarterback twice, blocking an extra-point attempt, and having three interceptions, two of which halted threatening Hanover drives.

"Nothing surprised me," commented Head Coach Scott Duncan. "We were very confident about this game; they've been working hard since (the previous) Sunday. It meant a lot to them to win this game."

Tomorrow, the Engineers travel to play Washington University in hopes of continuing their seven-game winning streak.



Tony Broadnax (22) celebrates as Jason Duff (11) scores the winning touchdown.

photo by Christian Schuler

The Thorn staff would like to wish the Engineers a safe and successful trip this weekend.



photo by Matt Morris

Drew Lavine maintains control against a Brescia player.

Soccer ties opener in over time

by Jeff Hanson

The Rose-Hulman soccer team tied one game and lost one game, of their 14-game season, over the weekend. On Saturday, our soccer team tied 3-3 with Principia, in a close match that went into two overtimes. On Sunday, the team played Brescia and suffered a 5-3 loss.

In the game against Principia, the whole Rose team played well. Principia was in control of the game for most of the first half. At the end of the first half, Principia was in the lead 2-0. The Rose team scored the first three goals of the second half. The first goal, scored by Drew Levine was scored within the first four minutes of the half. The other two points were scored by Dan Palazzolo and Al Radomsky. With less than 10 minutes left to play in the game, the Principia team scored a goal to tie the game. Overall, Principia outshot the Rose team almost two to one. One possible

reason for this is the fact that this year's team has only six returning starters and 14 returning lettermen out of 35 players.

During the two overtimes, Chris Johnson made several good saves on goals to keep the game tied. Chris did well, con-

game, five cautions were issued.

In the Sunday game, against Brescia, Rose was beaten in the second half, when the Rose soccer team only scored one goal. In the first half of the game, the first two goals were scored by Rose in their first two attempts on goal. The goals were scored by Wentzel and Steele. Brescia then went on to score once from a penalty kick before the end of the half. In the second half of the game, Brescia scored four goals in a row. The next goal, scored for the Rose team, was made by Steele. Assists were made by Harriman (1), Rakos (1) and Radomsky (2). Brescia made twice as many shots on goal as the Rose-Hulman team. The Rose team had nine goalie saves as opposed to three goalie saves by the Brescia team. The Brescia team was able to control the midfield for the entire game, but Brescia could not get their shots working until the second half.

Principia tied with less than 10 minutes to play.

sidering this is his first year playing for Rose, as it is for the other two goalies players for the team. Assists were made by Brian Hall (1), Shawn Perkins (1) and Pete Wentzel. Assists made by the Principia team were Hopkins, Paton and Hopkins, in that order. During the

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Harriers show strong performance

by Clark Pentico

The Rose-Hulman cross country squad gave a solid performance at the 26th annual Wabash College Hokem Karem meet, taking third out of seven teams.

The Hokem Karem is a race where a pair of runners form a relay team and pass a baton to each other at the end of one-mile intervals until a total of six miles is covered by the pair. Bob Jacobs and Jason Lueking were Rose-Hulman's first couple, with a finishing time of 30.09, good enough to place them fourth in the meet. The depth of the team was shown when all six of Rose-Hulman's pairs placed in the top half of the field.

Cross country coach, Bill Welch, believed the first mile was a little slow for some of the pairs, which made being competitive difficult. He also commented that he was satisfied that

a lot of team members are running close together. Coach Welch adds that with some mental and physical fine tuning the team should be very competitive.

On Sept. 19 the team will travel to compete with over 20 teams in the Kenosha Invitational, Kenosha, Wisc.

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