Adams students won first and second place ribbons at last Saturday's city-wide Science Fair held in Washington High's gymnasium.

Greg Mueller and Bert Guentert, Adams seniors, won the two grand prizes awarded in the fair's Senior Division (grades 10 to 12), while John Darsee received one of the grand awards in the Junior Division (grades 7 to 9).

Heart-Lung Machine

John won his grand prize in the fair's biological division with a model of a heart-lung machine. He constructed his project, a machine used to take over the heart's functions during heart surgery, with the help of a $100 grant from the Heart Foundation. Bert's award came in the physical science division of the fair, with his exhibit consisting of the distillation of seawater into fresh water. His exhibit included a distillation system suitable for use in lifeboats.

Other Winners

First and second place winners from Adams in the Senior Division were the following: Phil Armstrong, microbiology; Greg Mueller, physiology and health; and Bert Guentert, chemistry.

The following Adams students won first-place ribbons in the Junior Division: James Vargas, general zoology; John Darsee, human physiology and health; Doug Nurnberger, human physiology and health; and John Darsee, physiology and health; Doug Nurnberger, human physiology and health; and John Darsee, physiology and health.

IU Names Martin Science Finalist

The Indiana Academy of Science and Kappa Kappa Kappa have named Dick Martin, Adams senior, a finalist in the Sixteenth Indiana Science Talent Search.

Dick and Mr. Ernest Litweiler, Dick's school sponsor, were invited to participate in the Junior Scientists' Assembly, held last weekend at the Indiana University Medical Center in Indianapolis.

During the assembly, each finalist was required to exhibit materials related to his project. Dick's project concerned the effect of barometric pressure upon white rats. Each finalist was then interviewed by the Science Talent Research Committee.

Award and Honorable Mention winners were recognized at the Honor Luncheon on Saturday, March 16. Dick was given honorable mention.

Undergoes Tests

There has been an unconfirmed rumor reported to the TOWER concerning the whereabouts of Aquila Chrysaetos Rex, an eagle, by none other than Mr. Martin. The Adams High School mascot is a mallard duck.

The TOWER has received an invitation to paint a mural to be hung in the entryway of the new center.

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Tower Achieves First Place Ranking

The John Adams TOWER has recently been named a first-place winner in the Columbia Scholastic Press Association rankings. The CSP, at Columbia University, New York City, conducts a yearly ranking contest for high school and college newspapers and magazines.

To be rated by Columbia, the TOWER sent in copies of the paper beginning with last year's May issue, which this year's stuff put out. These issues, up to that of December 7, were submitted to a board of thirty highly qualified judges and were rated on the basis of 1000 points. The TOWER achieved a first-place ranking by scoring more than 850 points.

The TOWER'S first place was one of eight in the state of Indiana. Michigan's ALTOONA was the only other paper in this immediate area to receive a first-place ranking.

MONOGRAPH CLUB SO-C-HOP TONIGHT

Tonight the Monograph Club will present its annual so-chop in the Adams Little Theater. The dance will begin at 8:00 and last until 11:00.

The main features of the evening will be entertainment provided by students. Several singing groups, bands and skits will be presented. Records will provide the music.

Tickets for the dance may still be obtained through the home rooms and at the Four Corners booth and are 50¢ spesive.

The staff will receive a booklet from the Association in a few weeks listing their exact score and giving a page-by-page analysis of the material in the TOWER.
Education Everywhere: Looking To The Future

Perhaps Someday...  

In his research, John has found that the imagination is a powerful tool in understanding the world around us. This is especially true in the context of education, where the potential for growth and discovery is vast.

Teensage Martyrs—Our Generation:  

"We are sacrificing our youth on the altar of a future which they are not given time to build."—Margaret Mead.

Last December, approximately ninety students in Mr. Schurer's English classes were asked to write imaginative scenarios of this quotation. The resulting themes presented an interesting pattern of trends prevalent among teenagers today.

Of sixty-nine who wrote themes, seventeen-nine students said, in effect, "Yes, youth are being cheated by adults who:  

- exploit their value as consumers (Madison Avenue motivation psychology approach which uses commercials in which radio is the source and suggests that they look into it).
- try to relieve their youth by pushing their children into things instead of either failed or very successful.
- have left the world in such a hopeless shape that it's going to be extremely hard for youth to pat the youth.

Advertising: Tina Robinson, Joy Lehr, Kathy Schlesinger.

Exchange Students Discuss Their Schools:  

How do schools in Pakistan and Sweden compare with the ones we know? I asked our exchange students, Farida Agha and Edward Broms, about this, and their responses were interesting.

Schools in Pakistan are not compulsory in Pakistan, but Farida says that most people do attend, for only in this way can they expect to get ahead in their communities. Children begin kindergarten at five and continue for four years—similar to our first four grades.

Called Standards

Then, before entering the next seven grades, which are called standard, each student must choose between two systems. One system, called the Matric, is the British standard of education. In this system, students have to study for a degree or curriculum. The other system, called the professional, allows students to opt for public schools in the native language, Urdu.

Farida states that most of the people in the upper and middle classes go to private schools, while those in the lower classes go to public schools. Since there is only a six-week break in the summer, students from Pakistan have to be prepared to work throughout the year.

Change Undertaken

It had been the custom for a student to go on to college for five years after he graduated (three years if he came from the Cambridge system). However, last year it was decided that students from the Matric system should have a higher standard and might have to enter college two years before entering college—mainly because they weren't old enough for college. The students strongly objected, though, and this idea was dropped.

In Pakistan, Farida says, most students go on to college. Higher education is not expensive, and almost every sizable town has a college.

In Sweden, Ed related, students start school at seven and attend kindergarten for two years. Students then spend four years in grade school.

At the age of ten, each Swedish student must take very thorough tests. The results of these tests determine whether they go to high school or not. Those who pass go to a vocational school. Students with higher grades go to a more academic school, where they stay until they are fifteen, taking about ten solid years of study. Regardless of the system, all students start English at eleven, and their programs are planned for them until thirteen. At thirteen, those in the secondary school also start German.

Graduate at 15

After graduation at 15, Ed says, about 60% of the students go on to trade school. However, those with good enough grades go on to the next school, called the Gymnasium, until they are 18. Here, one takes 10 to 12 solids (Cont'd on page 3, col. 1).

PROGRESSIVE EDUCATION—A CHALLENGE

By DIANE RUSTER

Being accustomed to the conventional school system, it is difficult for us to imagine the existence of a system of education in which there are no required courses, no tests, and no grades! Wonderful, you say? You'd go off all day and never do your homework! But I was inspired writing this—merely told the truth: Teenage Martyr.

Lately, the word "education" has been a popular one. We hear it flung around by the television stations. It is a word which is dropped into discussions of the school system by virtually all people and which has no real meaning attached to it.

The movement in education, which is being used successfully in an experimental stage.

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The movement in education, which is being used successfully in an experimental stage.
**Segregated Study!**

I can see it now. The wall... cruelly separating loved ones and enemies, friends and foes. The wall that separates the sexes, that's what it's called. Let's please divide each sector of this divided home.

In the back of the room, two boys crowd around thesix-by-twobottom corner and apply Greasy Kid Stuff to their hair. One group is playing cards (Old Maid) and another is hedging around the turntable radio belonging to an opera. Three fellows in the corner try to attract each other with clever jokes. The teacher is indifferent because of the earphones in his ears and the newspaper on his lap. The process of teaching and learning is clearly evident.

In the female section of the room, two rows of girls glance through notes and books as they sit under hair dryers. A serious problem is being considered in the middle row: how to make a moped made from four skirts, six blossoms, and three sweaters? Of course the teacher insists that they convince their mothers that they are badly in need of clothes. The rest of the classroom, of course, consists of boys, cars, money, and algebra. Algebra? Oh yes, some sad ball in the corner can't get a pen and has no heart to ask one of the other girls who is busy.

School City, you can separate the ill-mannered, criminally minded, unprincipled, transcendentalists, and transcendentalists, but please don't segregate the study halls.

Andrea Schneider.

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**TEACHERS: M OR F?**

Which do you prefer, male or female teachers?

Cyndee Miller—Men—women are more set in their ways.

Joe & Monelle Bills—Women—men are more casual.

Ken Price—Men—tend to be more aggressive.

Liss—Men—opposite.

Cymbia Olson—Females—men are too bossy.

Gene Moran—Females—they talk more so we get less done.

Dick Mueller—Females—they're easygoing.

Ken Price—I can't get along with either.

The Men—Maed<h—males can understand women.

Eddie Kowalski—I'm for me.

Pat Harrison—Male—they are more strict because they're main tainers.

Females—they like to coddle.

Chris Larson—Females—they are less strict.

---

**EAGLE QUILLS**

**Progressive Education**

(Cont'd from page 2)

d grade girls' three-year project of reading the World Book Encyclopedia. (The three-year time span is due to the fact that she did extra reading on all subjects which she found especially interesting.)

Do Not Rob Student

The intense concentration on these projects would seemingly rob the student of a background in fundamentals such as spelling, and arithmetic and keep him narrowly confined to knowledge in one minor field rather than a well-rounded background in all subjects. This, however, is not the case in a successful progressive system. For example, a boy interested in outer space would get necessary spelling and writing skills through the teacher's comment on his writing project. Similarly, should he want to know how far one planet is from another, the teacher could show him how to subtract their respective distances from the sun. In this manner, the basics are woven into the students' interests to make the whole learning much more enjoyable.

Students in the progressive system of education develop acute facility and interest in subjects not often lost in the conventional school system. Their school day does not end at 3:15, because this highly developed curiosity within them refuses to let them be content with a mere surface knowledge. They become interested in their research that they find themselves constantly sharing with their classmates. As a result of nine years in the progressive system, they are better-developed individuals who know their abilities and are not afraid to go beyond the accepted mode of learning.

This progressive movement of education has been in experimental use in the United States since 1926. Students going into the system with below-average intelligence have been known to place far above average in the high school and college classes. Yet there is little hope for any great transformation from conventional to progressive education. This is due to the lack of teachers qualified to teach a progressive class, for these teachers, besides having a degree in psychology, must have a sound background of knowledge in a great variety of fields. Although the progressive system will probably never take over as the accepted system of public education, numerous methods are being borrowed and added to conventional classrooms. Sodograms, ability-grouping, counterquestions, and even getting on the subject are being borrowed from a system of "organizational instruction"—progressive education.

(We wish to express our thanks to Miss Rosemary Zeeb, student-teaching under Mr. Duey, who furnished a great deal of helpful information for this article.—Ed.)

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**Teenage Martyrs—Our Generation?**

(Cont'd from page 2) and formulating ideas, and then screams "I was robbed!" by selfish adults who are sacrificing and pushing us.

Consider. Are we teenagers being molded to conform to the values of an adult world, or are we shaping away from our responsibilities?

—Jan Hadly.
**Central Bids For State Title Tomorrow**

**Crown Awaits One Of Four Powers**

Butler University Fieldhouse on the north side of Indianapolis is the scene for tomorrow's climax of "Hoosier Hysteria," the 1963 Indiana State High School Basketball Tournament. Saturday's first game, scheduled for 12:30 p.m., matches Munice Central and Lafayette Jefferson, while the second afternoon contest, beginning at about 2:15, pits the Central Bears against surprising Terre Haute Garfield. The two winners meet at 8:15 Saturday night to decide the successor to Evansville's state crown.

All of the teams have previously appeared in the state finals. Most of the players for all four. Munice's Bearcats are seeking their 16th appearance in the championship game and their fifth title in seven years. Lafayette has won two crowns and taken runner-up honors four times. South Bend also owns a pair of championships, most recently in 1954. Garfield never has won the coveted title, but twice has lost in the semi-finals.

**Varsity Finishes With 11-10 Record**

With two monogram winners returning and the mood present for both experience and height, the outlook for Coach Warren Seaborg's 1962-63 basketball team was not particularly bright. But the Bears surprised many people by posting an 11-10 record for the season. A 4-5 mark in conference play was good for a fifth-place tie.

Bob Gilbert and Bob Fischer, a pair of juniors, led the squad in scoring with 11.0 and 15.6 averages respectively. Senior Mike O'Neal and Ken Bradley spearheaded the rebounding, and junior guard Don Schultz contributed strongly to the attack. Other team members were juniors Jim Anderson, Roger Cox, Dick Beale, and Alex Osh, sophomores Chuck Bolis and Vic Butsch, and freshman Eanover Casper.

Important performances by the Eagles included victories over Mishawaka, Riley, Elkhart, and Fort Wayne North, and losses to Gary Roosevelt and Penn. Adams was eliminated from the state tournament by Riley in its first game, 57-50.

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| 7     | At Washington      | — | — |
| 10    | Central at Mishawaka | — | — |
| 12    | At Muncie          | — | — |
| 14    | Regional           | — | — |
| 21    | City Meet at Noire Dame | — | — |
| 22    | City Meet at School Field | — | — |
| 23    | At Riley           | — | — |
| 25    | State Meet at Indianapolis Toc | — | — |
| 28    | NHSC and NCC Meet at Purdue | — | — |

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**Lamont's Drugs**

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<tr>
<td>Phone AT 7-5787</td>
<td>Film Rentals</td>
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**Reish Camera Store**

1214 Mishawaka Ave.

Phone AT 7-5787

Commercial Photography
Cameras and Supplies
Film Rentals

**SHELL GASOLINE**

**ERNIE'S Shell Station**

Mishawaka Avenue

Twyckenham Drive

**C & R Barber Shop**

JOHN FREY: Flat Top Specialist

3417 Mishawaka Ave.

**F&S - JETFIRE**

**STARFIRE**

26 BODIES 4 ENGINES

A car for every purse and purpose in the 1963 OLDSMOBILE

**FEFERMAN'S OLDSMOBILE CADILLAC**

**NCAA Field Down To Four Finalists**

The top four college basketball teams in the nation gather tonight at Freedom Hall in Louisville, Kentucky, for the semifinals of the NCAA tourney. In the first game, Eastern regional champion Duke plays the best of the Mid-East, Chicago Loyola. Cincinnati's Bearcats, seeking an unprecedented third straight national title, take on Oregon State in the nightcap. Cincy represents the Midwest region, and Oregon State the Far West.

Duke, second ranked team in the country, matches its 26-2 record against third rated Loyola's 27-2. The Blue Devils made the finals by beating St. Joseph of Philadelphia 74-59, while the Ramblers made it by defeating Big Ten co-champion Illinois 79-64. The Bearcats, ranked number one all season, take their 23-1 mark against unranked State's 22-7. Cincy reached Louisville by dumping Colorado, 67-66, while Oregon State blasted Arizona 83-65.

Consolation winners at the four regional sites were West Virginia, Mississippi State, Texas, and San Francisco. But now only the four finalists remain from the starting field of 25 teams. The championship game will be played tomorrow night at Louisville, with the losers battle for third-place honors.

**Central Bids For State Title Tomorrow**

(Continued from Page 4, Column 1)

Washington 72-69 in an overtime daylight contest. South Bend drubbed Huntington 74-53 in the championship game at Fort Wayne, while Garfield surprised favored defending state champion Evansville Bosse 69-55 in the Pocket City finale. Tomorrow's three games are all overtime.

**MANY A BOY AND GIRL**

has gone to college because a Tower savings account has eased the financial strain. Tower compounds earnings on savings twice each year to make them grow faster.