



# WARRIOR

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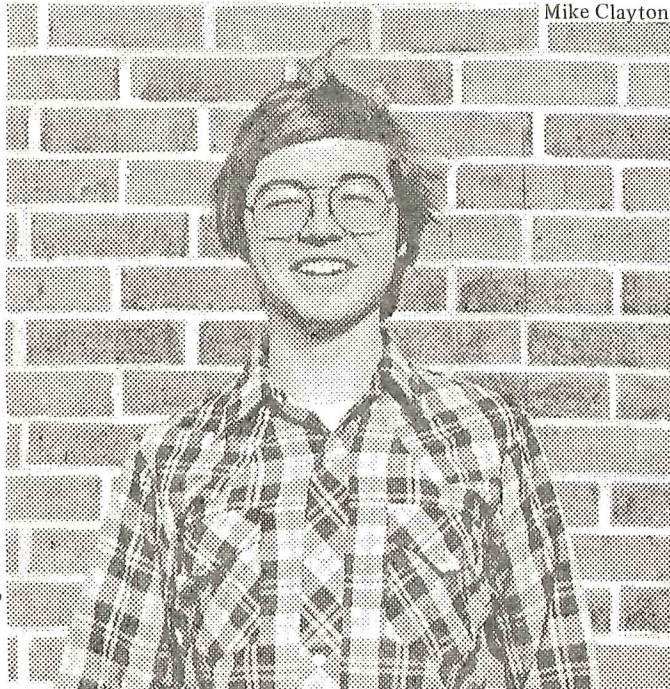
DURING THE HOLIDAYS,  
REMEMBER THE 50



# Weihs, Doran Top Spellers for Charity

"I didn't win any money. I just got the wrong trophy with my name spelled incorrectly. They're going to make me a new one," commented Junior Derek Weihs, MHS first place winner in the Multiple Sclerosis Word Encounters benefit spelling bee for MS. Senior Tricia Doran was the runner-up. Derek, Tricia, and four other MHS spellers collected a total of over \$285 in the MS spelling bee, which was sponsored by the Key Club.

Mike Clayton



Derek Weihs

On December 4, Derek, Tricia, Gary Abadrabo, Robert Galizio, Lester Gibbs, and Helene Wahlen met with the MS representative in the library, where they each had to spell 60 words. Each contestant had a list of sponsors pledging so much money for each correctly spelled word. "I got pledges from one cent to twenty cents a word," said Derek Weihs.

"The MS representative told us that high school students all over the country are eager to participate in this spelling bee because multiple sclerosis first strikes people between the ages of 15 and 20," noted Tricia Doran.

"The spelling words were as easy as 'tour' or as hard as 'exacerbation,'" continued Tricia. After the contest was over, Derek missed only one word, "liaison" - he forgot the second "i" - and Tricia, Helene, and Robert each missed only two. After a ten word tie-breaker, Tricia finished as MHS runner-up.

The following Sunday, December 9, Derek and Tricia travelled to Monmouth College's Pollak Auditorium, where the two were presented with school winner trophies. "The MS people spelled 'Pollak Auditorium' wrong on the invitation," smiled Tricia. There was also a trophy mix-up. "They gave me the runner-up trophy and they gave Tricia the first place trophy. The funny part was that they even spelled my name, wrong on this wrong trophy," laughed Derek.

Mike Clayton



Tricia Doran

After the trophies were presented, Derek competed with 25 other high school first place winners for four cash scholarships ranging from \$250 to \$50. Vince Hartnett, broadcaster for WJLK, read the words to the contestants. Derek spelled three words correctly and then the word "chassis" did in MHS's ace speller. "I misunderstood Vince Hartnett and I spelled the word 'chastity.' I was told that I spelled the wrong word and that I should begin again. Everyone's attention was focused at me and my mind went blank." Derek spelled "chassis" c - h - a - s - y.

Art Serratelli



# ODD



# BUT TRUE

## GAMA IS NOTICED AS THE BEST WRESTLER OF ALL TIMES

Gama, a five-foot, seven-inch wrestler from Patiala, India, weighed 260 pounds. Even though he was smaller than most wrestlers, this Indian conquered the sport.

Gama would often challenge men, but they would always back down. He once challenged 20 men to a battle, stating that he would throw them all in succession within an hour. They too backed down.

Gama underwent two great matches in his life. One was against an American, B.F. Roller, and the other was against the Polish professional champion, Stanislaus Zbysko. Although they were the two toughest matches of his life, Gama threw them both in 30 seconds. Gama went on as the World's Champion well into his 50's.

## TWO BABIES WERE BORN WITHOUT A BRAIN

On May 26, 1788, Mary Clark, an English woman, bought a new child into the world. The baby cried, ate, and behaved just like any other child. But after five days of living, the child died.

An autopsy was taken as to the short life of the baby. Unusually, it revealed that the baby had no brain.

This was not the only case. In 1935, another woman gave birth to such a child in New York City. This one lasted 27 days.

## AT THE AGE OF 63, EDGERTON WON A PROFESSIONAL BOXING FIGHT

One evening at a bar, two ex-boxers got into an argument. The two, Walter Edgerton and John Henry Johnson, decided to settle it with their fists.

A young boxing promoter, Herman

Taylor, overheard their quarrel and suggested a boxing match down at the Broadway AC in Philadelphia. Herman even offered prize money. The two ex-boxers accepted.

The one odd thing about this match was the ages of the two. Edgerton was 63 and his opponent was 45. Back in the 1880's, Edgerton was a featherweight champion known as "The Kentucky Rosebud." Johnson was no amateur himself. He went undefeated as a featherweight champion before retiring. So this made the fight professional.

The two squared off in front of a crowd of 800. The fight went slowly at first; but no one knew that Edgerton was saving his energy. In the fourth round, he battered Johnson around the ring until he finally knocked him to the canvas. Walter Edgerton became the oldest man to ever win a professional fight.

## BATS FLY BY RADAR

It is well known that bats have poor vision. It is often wondered how they fly. The answer is by radar.

Bats can hear exceptionally well. They have the ability to call out sounds so high pitched that a human cannot hear them. These calls travel a certain distance until they hit an object and bounce back to the bat. This enables a bat to find his way around without crashing.

The bats' method of flying works so well that when put in a room crowded with objects, they can fly without touching anything with their wings. But if their mouths are kept shut, they will crash into everything.

Scott Hoyt



# DIESEL'S POTENTIAL DANGERS

An important decision involving diesel engines and the amount of carcinogens given off by them will be made by Douglas M. Costle, head of the U.S. Environmental Protection Agency, sometime during the next couple of months.

Carcinogens, or cancer causing substances that involve the diesel's future, are tiny bits of carbon which measure less than one half of a micron or one millionth of a meter. During 1973 the E.P.A., not knowing of this chemical, praised the diesel along with the wankel engine. It was then discovered in 1977 but thought of as a distant problem. Although no one is sure whether they are potent enough to be dangerous, it is known to give off high levels of anxiety.

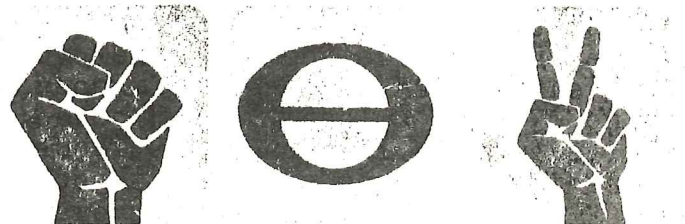
The diesel engine gets about 25 percent better fuel mileage than the gasoline engine. In city driving the engine is 40 to 50 percent more efficient than a gasoline engine because of constant deceleration. Today diesels are so popular that some are waiting months for them, or paying hundreds of dollars over price. With the gas crunch, diesels were bought because of fewer fill-ups and less waiting on line. The new turbodiesel, which utilizes turbo charging for a diesel engine, gives even better efficiency than the standard diesel. Despite all of these advantages though, the diesel provides poor starting in cold weather, odor, smoke, noise, and initial higher cost. When a neighbor was asked about his concern for his diesel car he responded, "I am very pleased with my diesel; however, in the morning during winter months I find it difficult to start my car, particularly when the thermometer drops below 20 degrees Fahrenheit. I would like to see something heat-up the engine and maybe General Motors will beat the Germans and the French in this field." After this he was told of the carcinogenic particles produced by the engine. He was shocked at this and said that he "never heard this before."

The history of the diesel began about 80 years ago. In 1936 the first one on the market was put out by Mercedes-Benz of Germany. Only recently Americans had little reason to buy a diesel. In 1976 only about 25,000 diesel cars were bought. Eighty percent of these were made by Mercedes.

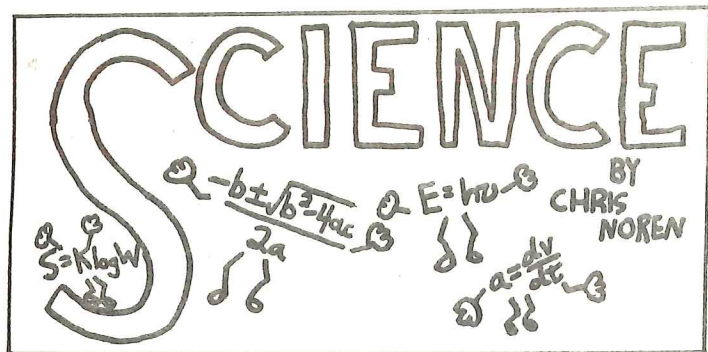
Diesels account for four to seven percent of the auto regulation in Europe. Eighty-five percent of the taxi services in Paris and Munich are diesel cars. A study at London Transport showed that workers in bus garages had no increase of cancer rates. An argument to this, though, is that these garages were well ventilated. Testing, though, of the exhaust will be done with laboratory animals instead of with humans because of the long observations of each one. In addition, testing humans costs more than the observing of the laboratory animals.

Right now approaches are being made to help the diesel's pollution factor. Modifications will be made in fuel additives, combustion chamber design, and exhaust treatment. The catalytic converter, a device used to cut down on some pollutants by turning them into a less harmful vapor, does not work on the diesel engine because the exhaust temperature is not high enough to evaporate. The best solution for this is a canister with fine mesh and insulation. The particles are trapped and the temperature can be high enough to burn the particles clean. These inexpensive methods may solve some of the problems of diesel waste.

Thomas Trumbour







## INFRARED SPECTROSCOPY

Infrared spectroscopy is an analytical method in which molecular bonds are excited by infrared radiation, the radiation being absorbed at wavelengths characteristic of each bond. The wavelength at which a particular bond will absorb radiation is dependent on the dipole moment caused by the vibration of that bond.

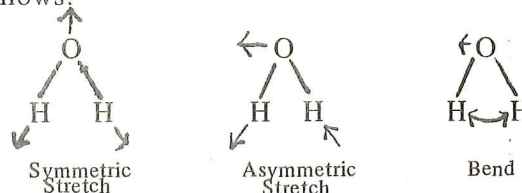
As molecules are exposed to electromagnetic radiation, they absorb energy, become excited, and begin to move. There are three basic types of molecular motions: translations, rotations, and vibrations.

**Translations-** If an entire molecule moves in a single direction, it is said to be translated in the direction it is moving in. Imagining the molecule to be set in a Cartesian coordinate system, one can visualize that it can be translated in the x-direction, in the y-direction, or in the z-direction. All other translations are combinations of these three. Thus, it can be said that every molecule possesses three fundamental translations.

**Rotations-** A molecule in a Cartesian system can also be rotated about each of the three axes. Thus, it can also be said that every molecule possesses three fundamental rotations: one about the x-axis, one about the y-axis, and one about the z-axis. Linear molecules, however, possess only two fundamental rotations. Since an entire linear molecule can be placed on one axis, rotation about that axis would not result in a change of position.

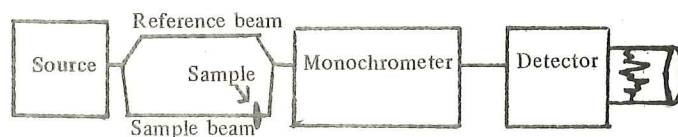
**Vibrations-** In addition to translations and rotations, every molecule possesses a certain number of vibrations, that number being dependent on the number of atoms in the molecule. The atoms of a molecule can vibrate in any direction, except those in which there are already translations or rotations. The total number of directions the atoms of a molecule can move in is expressed as  $3N$ , where  $N$  is the number of atoms in the molecule. Since there are six fundamental translations and rotations, the number of different vibrations a molecule possesses is expressed as  $3N-6$ . If a molecule is linear, however, the number of different vibrations it

possesses is expressed as  $3N-5$ , since linear molecules have only two fundamental rotations. Water can be used as an example to show the vibrations of a non-linear molecule with three atoms. Since  $N=3$ , the number of different vibrations possessed by water is three ( $3 \times 3 - 6$ ). These vibrations are as follows:



As a molecule is vibrating, each bond will absorb radiation from different wavelengths along the infrared spectrum ( $4000 - 200 \text{ cm}^{-1}$ ), depending on the type of vibration and the dipole moment of the bond. The dipole moment of a bond depends not only on the electronegativity of the bonded atoms, but on the other atoms in the molecule as well. Thus, molecules of different compounds will absorb infrared radiation at different wavelengths. This provides the basis for infrared spectroscopy.

In infrared spectroscopy, a compound is exposed to a beam of infrared radiation. The molecules of the compound begin to vibrate and absorb energy. The energy loss for each wavelength of the beam is recorded on a graph as a series of peaks and depressions. The device used in infrared spectroscopy is the spectrometer, which works basically like this:



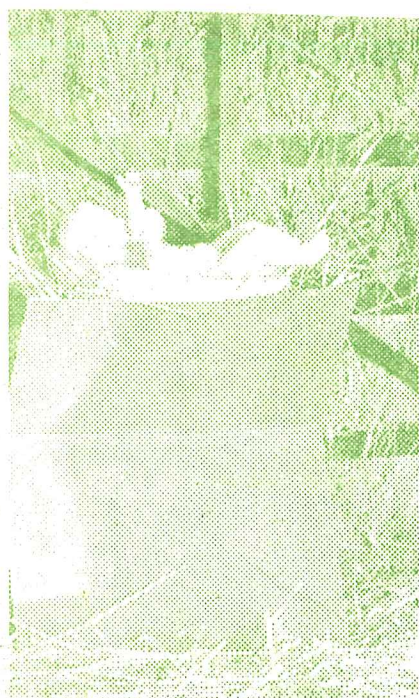
The source beam is split into two beams. One beam goes through the sample, which must be translucent enough to allow some radiation to pass through, and the other is a reference beam. These two beams are then split into single wavelengths by a moving diffraction grating in the monochromator. The grating scans all the wavelengths between  $4000$  and  $200 \text{ cm}^{-1}$ . Both beams are then projected on a detector, which detects the amount of energy lost. The reason a reference beam is used is to allow the instrument to compensate for water in the air. The detector compares the two beams, and then projects the difference between the two (the energy absorbed by the sample) onto a graph. Peaks on the graph correspond to energy losses at the wavelengths the peaks are on.

Infrared spectroscopy is a valuable tool in the analysis of organic compounds. Combined with nuclear magnetic resonance and chromatography, infrared spectroscopy can determine the identity and molecular formula of virtually any organic compound.

*Merry Christmas, Ben Zeen!*



# It's Beginning To Look A Lot Like Christmas





# CHRISTMAS TREATS

The following recipes are for Christmas cookies and candy; they are relatively easy to make and fun to eat.

## Bunuelos

package of flour tortillas  
confectioner's sugar

For Bunuelos or cookie crisps, you need one package of flour tortillas. Cut the tortillas into different Christmas shapes by using cookie cutters. Add two or three inches of oil in a saucepan. Heat to 360 degrees F. Deep-fry two or three shapes at a time. The cookies are done when they turn a golden brown. Blot the cookies with a paper towel and before eating them, sprinkle the cookies with confectioner's sugar.

## Amond Tuiles

½ cup sugar                      ¼ melted butter  
2 egg whites                    ¾ oz. sliced almonds  
½ cup flour

Your oven should be preheated to 400 degrees F. Beat ½ cup sugar and two egg whites together. Add ½ cup flour, and beat until smooth. Add ¼ cup melted butter until it is absorbed and then stir in ¾ oz. (1 can) of sliced almonds. Cookie batter should be placed on a greased cookie sheet by teaspoonfuls. While baking the cookies, they should be flattened with the back of a fork. Bake for 6 to 8 minutes until they are light brown around the edges. When the cookies are done, place them on a rolling pin so they will take on a curved shape, like potato chips.  
Makes 4 dozen.

## Divity Fudge

2½ cups sugar  
½ cup light corn syrup  
½ cup water  
¼ teaspoon salt  
2 egg whites  
1 teaspoon vanilla

In a saucepan stir 2½ cups sugar, ½ cup light corn syrup, ½ cup water and ¼ teaspoon salt. Cook the mixture and stir until the sugar dissolves. Cook the mixture to 260 degrees F

(you will need a candy thermometer) and then take off the stove. Next beat two egg whites at a medium speed until they become stiff.

Pour the hot syrup over the egg whites while beating them at high speed. Add 1 teaspoon vanilla and continue beating for 4

or 5 minutes or until the candy holds its shape. Drop candy on waxed paper with a spoon. It should not flatten out. After the candy is made, you can decorate with candied fruits or nuts on top.



## Holiday Fruit Cookies

1 cup granulated sugar  
¼ cup margarine or softened butter  
2 eggs  
1¼ cups Bisquick baking mix  
1 cup chopped pecans  
1 cup cut-up mixed candied fruit  
½ cup snipped dates (optional)  
powdered sugar

Preheat oven to 350 degrees. Grease a rectangular pan. Beat 1 cup granulated sugar, margarine and eggs until light. Stir in remaining ingredients except for the powdered sugar. Spread in pan and bake about 25 minutes. Sprinkle with powdered sugar while warm. You should be able to make 54 cookies.

## Caramel Squares

1 package (14 oz.) caramels  
½ to ¾ cup of milk  
2 cups Bisquick baking mix  
2 cups quick-cooking oats  
1½ cups packed brown sugar  
½ cup margarine or melted butter  
1 package (6 oz.) semisweet chocolate chips  
1 cup chopped nuts

Preheat oven to 350 degrees. Heat caramels and milk in a saucepan over low heat. Stir until smooth and remove from heat.

cont.



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# Hot Air Balloons - Semi Success

Story and Photos By Glenn Essner and Mark Herrmann

"We're going to be in the Mechanical Drawing room until January so I thought we would change the pace a little and give the students some background on something they're unfamiliar with," stated Joel Auerbach when asked the purpose for making hot air balloons.

Auerbach instructed the class for a week on the basics of aerodynamics.

Making the balloons was a three week process which included gluing seams, cutting and shaping them.

The balloons were constructed of tissue paper, Elmer's glue and hot air.

"The balloons were expected to fly beyond normal vision, but I wouldn't call just clearing the Industrial Arts building and then falling —going beyond normal vision," stated sophomore Denis Smith.

Auerbach and his students took a shot at aerodynamics and made it a semi-success, and now for the rest of the marking period they'll stay at the drawing tables.



Left to Right: Joe Jordan, Mark Villani, Mr. Joel Auerbach, and Chris Pedersen make last minute flight preparations.



Using a heating duct, Joel Auerbach and students fill the balloon with hot air.



Industrial Art's hot air balloon on its third successful flight.



# Stamp Collecting Popular

Stamp collecting, also called philately, is the world's most popular hobby.

During the 1840's in England the first postage stamp was printed in black ink and it cost a penny. Today it's called "Penny Black." It is not the rarest stamp in the world because so many were printed.

Before stamps were used for postage, the receiver of the letter had to pay for the transportation from one mail station to another, not the sender.

The mail stations were called posts, and the charge for mail delivery was called postage. Letters were closed with wax and stamped with a seal or ring design to identify the sender. Postage rates depended on the distance the letter had to travel.

In 1840 Rowland Hill brought a proposal for sweeping postal reform before the British Parliament. Hill believed that the price to receive letters was too expensive and he thought that the sender of a letter should pay for its transportation.

The most popular stamps that are collected today are regular or definitive stamps, commemorative, semi-postal stamps, and coil stamps.

Regular or definitive stamps are found on most day-in and day-out mail. They are relatively small and are printed in huge quantities for long periods of use. These stamps may have pictures of scenery or famous people on them. American stamps never depict a living person on them. British stamps usually show the reigning monarch. England never spells out its name on its stamps.



Commemorative stamps are issued in honor of an important event, person or special subject. They're larger than definitives, and are usually more colorful and are circulated for a limited time only.

In 1893, the first commemorative stamp was printed in the United States. The stamp was called the Columbian issue, in honor of the four-hundredth anniversary of the discovery of America.

This stamp from Australia is commemorating the opening of submarine telephone communication to Tasmania.



Semi-postal stamps are issued for the dual purpose of paying postage and raising funds for some special purpose. The stamps usually show two denominations. One is the amount that goes toward postage. The other is the amount that goes to the special cause.

Semi-postals aren't issued in the United States, although semi-postals are quite common in some countries.

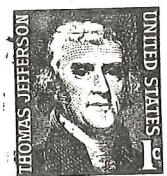
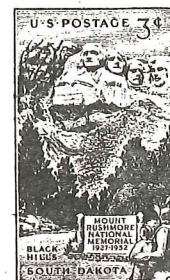
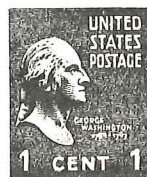
This semi-postal stamp was issued in mourning for Queen Astrid of Belgium, who died tragically in an auto-mobile accident. The "+5c" indicates the amount donated to the Anti-Tuberculosis Society from the sale of each stamp.



Coil Stamps are issued in rolls, so each stamp has two straight edges and two perforated edges.

W.T. Robey, a clerk in a Washington brokerage house bought a sheet of U.S. air mail stamps at the post office for \$24 in 1918. Later, he discovered that the centers of the stamps were printed upside down. In 1974 a single stamp from this sheet sold at a New York stamp auction for \$47,000.

Stamps are a guide to stories of the famous people, and events shown on stamps recreate the building of a nation from its founding to the present day.



M. Kreiss



# Safety Precautions Keep Your Christmas Merry

The yuletide season is often marked by a fire in the fireplace and candles in windows. A sweet smelling tree is decorated with ornaments, tinsel, and colorful lights.

Evergreen and holly decorations are about and the smells of baking fill the house. Beneath the tree are many colorfully wrapped packages.

Safety officials recommend that proper precautions be taken to keep the holiday season jolly.

Too often the Christmas season is spoiled for families because someone did not take the time to read instructions or check their decorations.

Tree and outdoor lights should be checked for broken or cracked sockets, frayed or bare wires and loose connections. Anything that does not appear to be in order should be discarded, safety officials recommend.

Outdoor lights should be securely fastened to something stationary to protect them from wind damage.

Indoor lights should not be used outdoors.

No more than three sets of tree lights should be used with one extension cord.

When no one is home or when the family is asleep, tree lights should be turned off. Unsupervised children should be warned to keep away from the lights to prevent electrical shock or burns.

Electric lights should not be used on a metal tree because damage of insulation could electrify it. Most safety officials recommend using a multi-color spotlight for decorations.

Natural trees will last longer in water. When a tree's needles begin to change color or lose their scent the tree should be discarded.

A Christmas tree should be kept away from heat especially radiators and fireplaces often overload sources like baseboard heat. If kept away from traffic, the tree and its ornaments are not as likely to be jostled, broken or tipped.

Some artificial trees are

not fire proof warn fire officials. Check the label.

A fire can be beautiful and add to the glow of the joy around. But if left unattended, it can be a potential fire hazard.

Never start a fire when the chimney flue is closed.

Anything flammable should be moved away from a fireplace when a fire is burning. A screen across the front of the fireplace will allow the beauty of the flickering logs and the warmth to come through but will keep sparks and crackling embers in their place.

"Fire salts," which produce multi-colored flames when thrown on a wood blaze, contain metals. If inhaled they can cause gastrointestinal irritation or nausea. They should be used with adult supervision.

Lighted candles are hazardous when left near a tree, household draperies or other decorations. They should be placed in a secure holder and away from a draft where they might be knocked down or blown over. A non-flammable holder is recom-

mended.

Tree trimmings and other decorations add a festive touch to the holiday spirit. But many ornaments and tree tinsel can be deadly if broken and eaten by children.

Some tinsels contain lead and can be hazardous to a child or pet if ingested. Many small children may try to eat ornaments if they look like food. Safety officials suggest avoiding such ornaments.

After packages are unwrapped, dispose of the wrapping in a dry, safe place where it will not be the fuel for a flash fire.

No one likes to think their home may burn, especially during the holidays. But a well prepared home stands the least chance.

Fire officials recommend having a multi-purpose fire extinguisher handy. It should not be too small enough to handle easily.

It is wise year-round to keep emergency telephone numbers handy and to have a planned escape route from the house.

## FLAME - RETARDING SOLUTION

- 9 ounces Borax (Sodium tetraborate) from the grocery
- 5 ounces Boric acid from the pharmacy
- 1 gallon warm water

In a large bowl, mix the boric acid and borax thoroughly. Dissolve this mixture in the warm water, stirring to get all of the solid dissolved completely.

Dip small branches of evergreens to be used indoors as decorations into the solution. All leaf or needle surfaces must be coated with the solution. Shake off the excess and allow to dry for at least one hour. Test a small twig for flame-retarding properties before

bringing the greens into the house.

Spray large wreaths or trees with the solution. A spray attachment used with a garden hose or a canister-type sprayer is ideal. A whisk broom is OK in a pinch. Make certain all leaf or needle surfaces are coated. Allow to dry, then test a twig for flame-retarding properties before bringing into the house.

Flame-retardant should be used prior to decorating the greens with other materials.



# CLASSICS IN THE SEVENTIES

As the end of the decade nears, the time has come to examine the various albums which were released over the years. Here we present the 22 most poignant lp's released over the decade.

## CLOSE TO THE EDGE

YES

Yes accomplished numerous feats with "Close to the Edge", one being public acceptance of an lp with three intricate songs. After their "Fragile" album, which saw the song "Roundabout" hit the Top Ten, it was questionable whether or not their popularity would last. But the apparent expertise of the instrumental sequences on "Fragile" pointed to future success and a greater audience. Retaining old fans and garnering new, classical rock heads, "Close to the Edge" proved that intricate, thought-out and meaningful tunes could be sold to the masses (not so today, however).

G.C.

## THE PHOSPHORESCENT RAT

HOT TUNA

This album marked a major transition for the band. They began their switch from blues/rock fusion to blues/acid rock fusion. Jorma employed more pedals and technology and Jack (Casady) displayed more free-flowing riffs on his bass. Minus Papa John Creach, Jorma filled in with long, soaring leads, above the incredible acoustic guitar he is noted for. I would call this album Hot Tuna's 'peak', as the blend of instruments and vocals envelop the listener. Some of the whine is lost in Jorma's voice, replaced by a heavier emphasis on the electric guitar.

D.S.

## A TRICK OF THE TAIL

GENESIS

When Peter Gabriel left Genesis after their double album, surrealistic saga "The Lamb Lies Down On Broadway", some disgruntled fans thought the age of Genesis was over. But these fans failed to recognize the talent of the band's other members, who were often overshadowed by Gabriel's theatrics. "A Trick of the Tail" obliterated all negative opinions concerning the well-being of Genesis. As much of a masterpiece as "Broadway" and possibly even more so, this lp brought the uncannily similar voice of Phil Collins to light and drew the talent of Steve Hackett, Michael Rutherford and Tony Banks out into the open. Contributing such classics as "Squonk", "Dance on a Volcano", "Ripples", and the power-surgeing "Los Endos", "A Trick of the Tail" demonstrated that Genesis was and still is a musical force to be reckoned with.

G.C.

## L.A. WOMAN

THE DOORS

What can be said about the Doors that hasn't been said already? They were one of the most prolific musical vehicles of the late 60s and early 70s.

This album contains "Love Her Madly" and "Riders on the Storm", two of the most popular songs that the group

ever released. The poetry of Morrison and Krieger, which was put to music for this lp, is among the best each of them ever wrote, and the music behind it the most thundering.

On the technical side, this album was recorded and mixed with mastery. The sound is well-honed, with a sound unique to the Doors.

D.S.

## REMEMBER THE FUTURE

NEKTAR

Nektar was one of the most talented but unrecognized bands of the Seventies, with the main reason being that they never received airplay. "Remember the Future", unknown as it is, is an album of incredible composition. Although lacking somewhat in engineering, the messages strewn about the record and the instrumental quality are outstanding. For an outstanding band with a small but dedicated audience, Nektar should go down in the annals of progressive rock's history as the most persevering band.

G.C.

## WHO'S NEXT

THE WHO

Although The Who had been popular in both the U.S. and Europe prior to this 1971 release, this lp thrust them into the commercial limelight. Also, the band got to display their talents as more refined musicians than they did previously. Such tracks as "Behind Blue Eyes", and "This Song is Over" are good examples of the finesse of each musician as well as the melodious voice of Roger Daltrey. This is not, however, to say that there is a lack of power on the album. "Baba O'Riley", an anti-war song, and "Won't Get Fooled Again" are both typical of The Who in sheer strength.

A major factor in my choice of this album is the aforementioned combination of straight-out rock and roll and beauty. This proved that a band known for its volume and intensity could be lyrical and touching.

D.S.

## RUMOURS

FLEETWOOD MAC

Although David didn't see the reasoning for my choosing this album, I feel that it belongs in this story due to its technically flawless production. The sound reproduction is outstanding and the instrumentals are of an unprecedented nature. This album mixes stylish pop with progressive rock overtones to achieve a unique and induplicable combination. The only detraction



# CLASSICS IN THE SEVENTIES

continued

quick paced electric guitar jams. The use of orchestrations on the lp was a first for TYA, as well as the quality of the recordings. D.S.

APOSTROPHE

FRANK ZAPPA

This album is probably my least liked album by Zappa, mainly because of the commercialism that he catered to with his extravagant lyrics. "Don't Eat the Yellow Snow" became a hit almost immediately and is probably the most recognizable song by the average listener besides "Dancin' Fool". "Uncle Remus", though, featured extremely satirical lyrics while the title track "Apostrophe" contained some nasty guitar lines. This album did, however, show the inventiveness and abstractions of Zappa's musical abilities. G.C.

AQUALUNG

JETHRO TULL

With the release of this album, Tull established themselves as one of the premier bands in rock. The instrumentals are unique unto Tull, with the blend of rock and roll and old English folk music.

The popularity of this album enabled Tull to expand further in their careers. They later released "Thick As a Brick" and "Passion Play", both of which were concept albums. If they had not gotten the security from "Aqualung", these two albums would not have been released. D.S.

ANOTHER GREEN WORLD

BRIAN ENO

Brian Eno's contribution to today's music usually goes unnoticed to most rock fans. But unknown to them, Eno is responsible for the production of many new wave bands, such as Talking Heads, DEVO and Ultravox. Each group has assimilated some facets of Eno's musical personality, which was a direct result of his performances with Roxy Music and Robert Fripp, who exchanged ideas and techniques with technical mastermind Eno. "Another Green World" marks the departure from Eno's old, radically avant-garde style into a spacy, progressive and imaginative sound. Most of the pieces of the album are highlighted by his subtle keyboard passages,

his unique voice and knack for blending a variety of styles into a tapestry of sound. Buy this album if you like mellow, relaxing music; it will be a pleasant surprise. G.C.

BRAIN SALAD SURGERY

EMERSON, LAKE AND PALMER

Although they had been releasing albums for several years, this lp gave ELP the recognition they deserved. Each member of the band is a specialist in his particular field and displays it on each song of this album.

The classic "Karn Evil 9" comprises the majority of the album. This song in particular exemplifies the various talents of the band members. Divided into three parts, a different style is presented in each segment, the first being rock, the second classical and the third electronic. D.S.

HARVEST

NEIL YOUNG

This album is an outrageous blend of country and rock. Young switches from acoustic guitar to electric, plays a few riffs on the side, and also does some piano work. His efforts here are among Young's best, delivering such classics as "Heart of Gold" and "Needle and the Damage Done".

Young's ability to touch the heart is uncanny. He sings of love death and friendship in such a manner as to convey his messages through metaphors and images. He depicts a scene so perfectly that one can relate to each of his themes without trouble. D.S.

NEVER MIND THE BOLLOCKS,  
HERE'S THE SEX PISTOLS

THE SEX PISTOLS

Loud, raunchy and repetitious music (if it can be called that) - but it started the entire new wave movement and cleared a path for future artists to expand their styles on. A great number of bands owe their success partly to the precedents created by the controversial English quartet. Johnny Rotten became a household word, evolved into an idol in the punk world and succeeded in doing everything that he first sang out against - but who wouldn't jump at the chance for riches, fame and notoriety, even at the expense of good taste? Most notable song by the Sex Pistols: "God Save the Queen".



# SQUAN MUSIC POLL

The Grateful Dead! Led Zeppelin! The Who!  
Jorma! Pink Floyd! The Rolling Stones! Yes!  
Neil Young!

Disagreements of this type often arise in conversations concerning the best popular musical group. Since there is a surplus of such diverse origins and styles, however, it is impossible and utterly ridiculous to compare a blues-rock group like the Grateful Dead with a heavy metal band like Led Zeppelin. To avoid conflict in styles in this music poll I will divide the styles of music into categories to classify the various branches and influences of rock and roll.

With this poll I hope to receive an overall view of the favorite bands of students in Manasquan High School and to break that view down into grade and sex categories. Please try to answer each of the questions in as serious and truthfully a manner as possible and return it to the "Warrior" room promptly to achieve an accurate survey. The results will be published in the January 11 issue of the "Warrior". Answer in the categories that you feel you know the most information.

## FIRST CATEGORY - HARD ROCK ( LED ZEPPELIN, THE WHO)

- 1) Best Band - .....
- 2) Best Lead Vocalist(M/F).....
- 3) Best Lead Guitarist - .....
- 4) Best Drummer - .....
- 5) Best Bassist - .....

## SECOND CATEGORY - PROGRESSIVE ROCK (GENESIS, YES)

- 1) Best Band - .....
- 2) Best Lead Vocalist - .....
- 3) Best Lead Guitarist- .....
- 4) Best Bassist - .....
- 5) Best Keyboardist - .....
- 6) Best Drummer - .....
- 7) Best Miscellaneous Instrument (please indicate instrument and musician).....

## THIRD CATEGORY - BLUES/ROCK FUSION ( GRATEFUL DEAD, HOT TUNA, etc.)

- 1) Best Band - .....
- 2) Best Lead Guitarist - .....
- 3) Best Bassist - .....
- 4) Best Lead Vocalist - .....

## FOURTH CATEGORY - DISCO

- 1) Best Band - .....
- 2) Best Lead Vocalist( male ).....
- 3) Best Lead Vocalist( female).....

## FIFTH CATEGORY - AVANT-GARDE ( ROBERT FRIPP, FRANK ZAPPA, ETC.)

- 1) Best Artist - .....
- 2) Best Vocalist - .....
- 3) Best Guitarist - .....
- 4) Best Bassist - .....
- 5) Best Keyboardist - .....
- 6) Best Drummer - .....
- 7) Best Misc. Instrument (artist and instrument) .....

## SIXTH CATEGORY - JAZZ - ROCK FUSION (JEAN - LUC PONTY, STANLEY CLARKE, PASSPORT, ETC.)

- 1) Best Band/Artist - .....
- 2) Best Guitarist - .....
- 3) Best Bassist - .....
- 4) Best Vocalist (M/F) - .....
- 5) Best Keyboardist - .....
- 6) Best Misc. Instrument - .....

## SEVENTH CATEGORY - ELECTRONIC MUSIC ( TANGERINE DREAM, KLAUS SCHULZE, ETC.)

- 1) Best Group/Artist - ...
- 2) Best Keyboardist - .....

## EIGHTH CATEGORY - NEW WAVE (TALKING HEADS, THE CARS)

- 1) Best Group - .....
- 2) Best Vocalist - .....
- 3) Best Guitarist - .....
- 4) Best Bassist - .....

## OVERALL EVALUATION OF MUSICAL GROUPS

- 1) Best American Band - .....
- 2) Best Foreign Band - .....
- 3) Best Female Vocalist - .....
- 4) Best Male Vocalist - .....
- 5) Best Lead Guitar - .....
- 6) Best Bassist - .....
- 7) Best Drummer - .....
- 8) Best Keyboards - .....
- 9) Best Misc. Instrument - .....

GRADE - ..... SEX - .....



# 'LIVE RUST': Ten Years of Neil Young

What do you get when you mix a live performance of Neil Young with some of his most popular tunes of the past ten years and a band called Crazy Horse?

You get "Live Rust".

"Live Rust" contains some of Neil Young's early popular tunes, such as "After the Gold Rush" and "Sugar Mountain", and some of his later tunes from "Rust Never Sleeps", "Hey Hey, My My (Into the Black)" and "Tonight's the Night".

"Sugar Mountain", opening the album, is a classic example of Young's acoustic technique. In this tune he plays both the acoustic guitar and harmonica.

Coming next is "Comes a Time", a later cut, which makes use of young's acoustic guitar and delicate voice, which are so important to his image as a performer.

Neil Young is one of today's few rock artists who uses his acoustic in such a fashion that when compared to his electric, it sounds like two different performers.

"After the Gold Rush", one of my all-time favorites, is next. This tune was written at the turn of the decade and seems to reflect Young's idealistic dreams, so common of that period. Here Young demonstrates his abilities as a pianist while singing the melody and also using his harmonica.

Another tune from "Rust Never Sleeps" is "My My, Hey Hey (Out of the Blue)", which closes this side. This acoustic version of the song portrays Neil Young's account of rock and roll.

"When You Dance I Can Really" opens side two. This song is electric rock and roll with true rock style guitar riffs and sharp lyrics. Frank Sampedro, rhythm guitarist of Crazy Horse, does a fine job of backing Young up in this tune.

"The Loner", coming next, is pure

acid rock. With a pounding rhythm guitar line and drums by Ralph Mauna, Young has put together yet another great rock tune.

"The Needle and the Damage Done" is an electric tune concerning a fellow musician of Young who died of a heroin overdose.

"Lotta Love", written by Young, was an A.M. hit when it was sung by Nicollette Larson. Of course on "Live Rust", when it's sung by Young, the tune is 100% improved.

"Sedan Delivery" closes side two. This cut is unusual for Young as it features a changing tempo. The song is at one time moving fast with Young and Sampedro jamming together and then slow with guitar riffs.

"Powder Finger" opens side three. This tune is an electric ballad telling the story of a 22-year-old who seeks to find his manhood by protecting his family. Acid riffs push the tune along as drums and rhythm guitar carry the beat.

"Cortez the Killer" is another rock ballad. Here, Young tells the story of Cortez and the Aztecs. Again, acid riffs carry over the tune as Young sings out the lines of the story.

"Cinnamon Girl", another favorite of mine, closes side three. This tune reflects Neil Young's dream of a perfect girl. Its distinctive rhythm lines make the tune.

Contained on side four are "Tonight's the Night" and "Hey Hey, My My (Into the Black)". The electric guitars in these songs play both sharp and crisp as the band finalizes the album.

Anyone who is interested in Neil Young would be pleased with this superb live release.

Joseph Tafaro



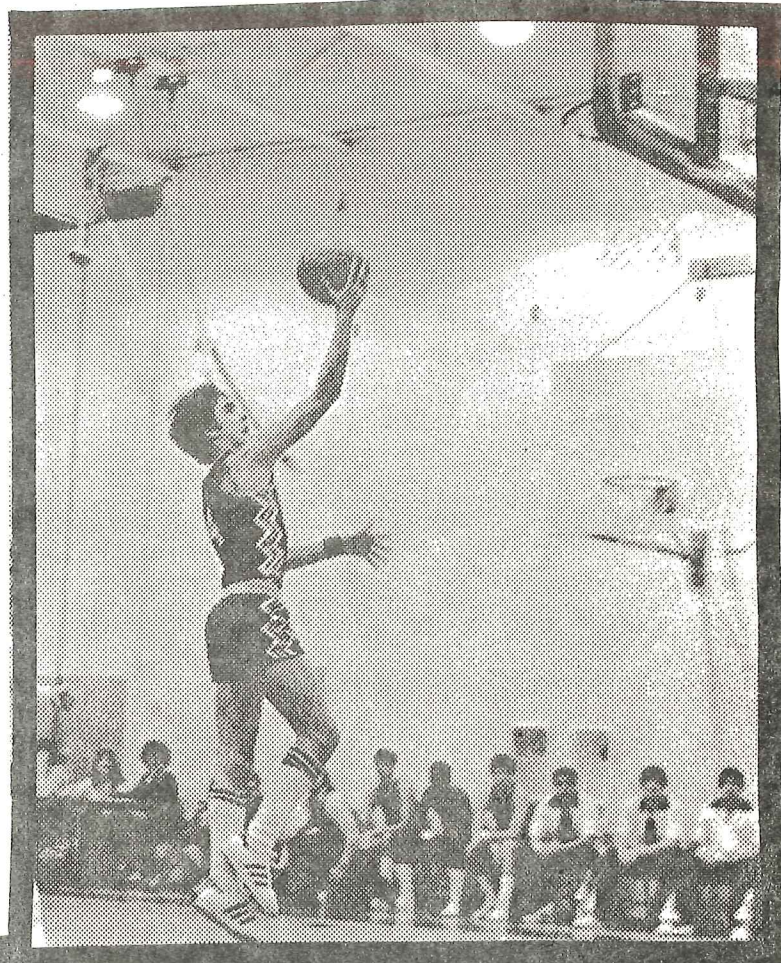
# SQUAN ROUTS RUMSON IN OPENER

"Everybody played the role they had to play and I can't single out any player," commented Varsity basketball Coach Ron Gerlufsen on his team's 73-58 victory in the season opener against Rumson.

A balanced scoring attack enabled Squan to jump out to a 24-15 lead in the first quarter. Four out of the five starters scored in double figures. Mike Sullivan scored 26, Roy Oberhauser tallied 13, and Gary Bridges and Matt Dempsey each contributed 10. Wayne Reevey and Troy Brandon each had 13 for Rumson which dropped its record to 1-1.

"I was very pleased with the unselfishness of the entire team and I hope this will be a trademark of the team all season," added Gerlufsen.

In the first half Squan had problems controlling the Bulldog offense, allowing 34 points and scoring 40 themselves. Squan looked impressive early in the half, running a quick outlet fastbreak which resulted in high percentage shots.



Going into the locker room ahead by six, Squan knew they had to make adjustments on defense in the second half and they did. Squan outscored Rumson 33-24 in the second half, holding the Bulldogs to only seven field goals and at one time in the half Squan built up a 20 point lead.

"We have to cut down on our fouls. Most of Rumson's points came from the line," commented Gerlufsen on the 25 fouls Squan committed throughout the game.

Sophomore Jack Sheehan and Matt Dempsey manned the boards for Squan, each collecting nine rebounds. Bridges and Sheehan led the assist column with nine and Squan shot 41% from the floor and a low 59% from the free throw line.



Above: Tom Herrmann converts a breakaway lay-up.

Left: Mike Sullivan sticks a jumper over Phil Watson.

Story by Tom Herrmann  
Photos by Mike LaSala



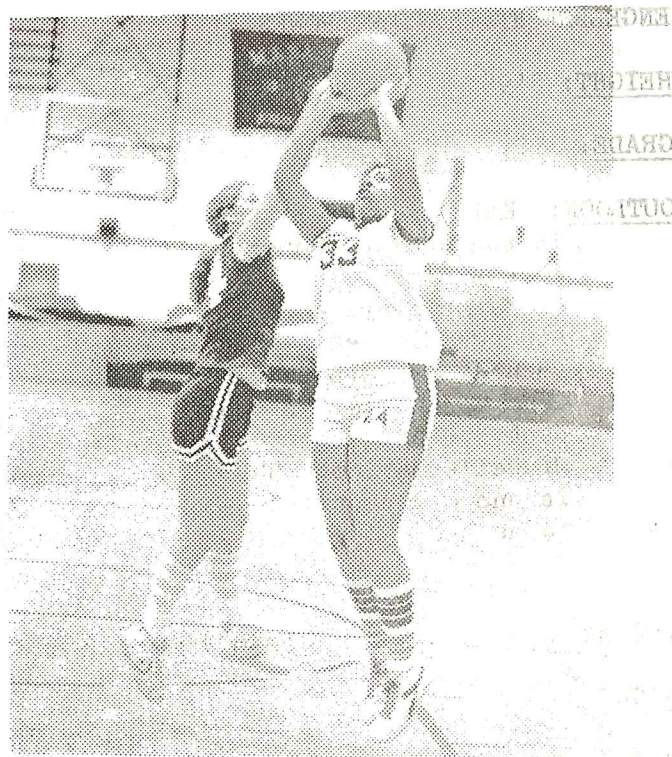
# INJURIES FATAL TO SQUAN

The 1979-80 Warriorette basketball team suffered a 57-49 opening season non-conference loss to a hot shooting Rumson squad last Tuesday night at home.

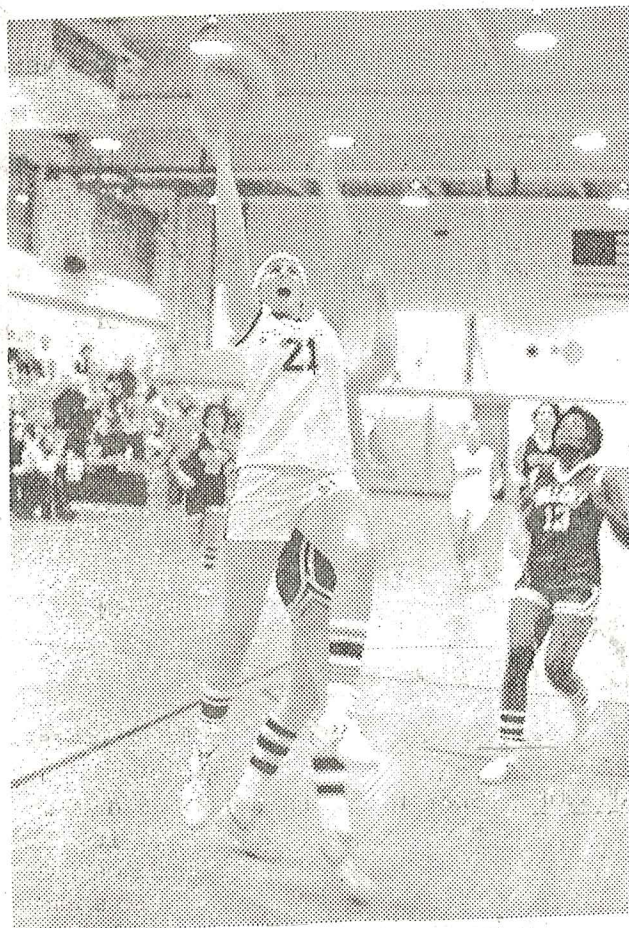
Senior forward Kathy Engelbrecht poured in a career high 32 points while junior Pam Bynum added 13 in a losing effort. Engelbrecht also controlled the boards as she ripped down 19 rebounds.

Manasquan's early minute lead dwindled as the Bulldog's press caused numerous turnovers. Continuing its fine pressuring defense, Rumson rapidly gained command as they compiled a 33-27 halftime advantage.

Squan closed within four points mid-way into the third quarter, but could not completely close the gap as the period came to an end with Rumson leading by seven. From that point on the Bulldogs never looked back as they marched on to victory.



Junior forward Pam Bynum takes the short jumper.



Senior guard Michelle Marino goes up for two on the break away lay-up.

Dori Crichlow led the well-balanced Rumson club with 14 points while teammates Amy Patey and Amy Borden chipped in 13 and 10 points respectively. Squan's defense did manage to hold sophomore standout Virginia Sourlis, who as a freshman scored 336 points, down to nine.

But Manasquan has been crippled with injuries as they are missing the services of senior forward Helene McGowan, out with an ankle injury, and senior guard Sharon Havens due to knee troubles. McGowan has been the squad's offensive power in early scrimmages which is why the girls will be somewhat shorthanded in the Wall Christmas Tournament.

"I feel that the team has the power and ability to overcome our injury problem, but we'll have to work hard to pick up the slack," stated sophomore forward Christine Lockenmeyer. Both McGowan and Havens are expected to be back on the court after the holiday recess, just in time for the heart of the schedule as the conference action opens up.



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# Zorn Leader of Seahawks

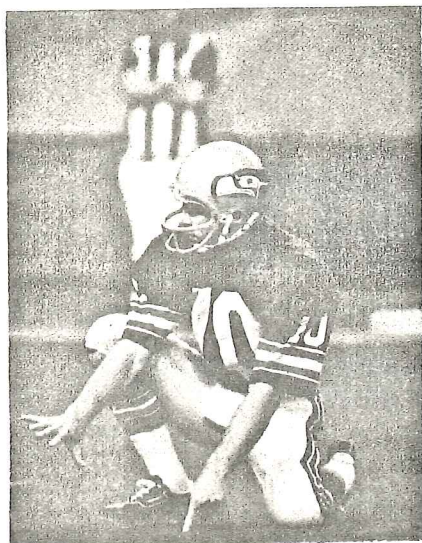
John Plisky

Jim Zorn, the 6'2", 200 pound left-handed quarterback of the Seattle Seahawks, is the reason for the team's surprising success. The southpaw has been their leader ever since they picked him up as a free agent in 1976, the year he was the NFC's Rookie of the Year. (The Seahawks switched to the AFC the next year.)

Coming out of California Poly-Pomona in 1975, he was overlooked in the NFL draft, but signed with the Dallas Cowboys as a free agent. The Cowboys needed room on their roster for newly acquired Preston Pearson, so the Redmond, Washington resident was cut. Only weeks before opening day, the Seahawks signed him, after he spent some time in the Los Angeles Ram's training camp.

In their first season, 1976, the Seahawks went 2-12, but Zorn broke the NFL's rookie passing record with 2,571 yards, beating the old record by 64 yards. He also picked up 246 yards rushing with 4 touchdowns and threw 12 touchdown passes.

In 1977, the Seahawks improved to 5-9, and Zorn threw 16 touchdown passes and racked up 1,687 yards.



Zorn's and the Seahawk's best year was 1978, only their third year in the league, when they went 9-7 and beat the Oakland Raiders twice. The 26-year-old completed 56% of his passes, connected for 15 touchdowns and accumulated 3,283 yards. He also ran for 6 touchdowns and averaged 4.9 yards a carry.

Watch for number 10, throwing his bullet-like passes, running for extra yardage, and holding for the kicker, for a long time to come.



\*\*\*\*\*  
 \* Jim Zorn, the versatile quarterback \*  
 \* of the Seattle Seahawks who throws, \*  
 \* runs and also holds for the kicker. \*  
 \*\*\*\*\*

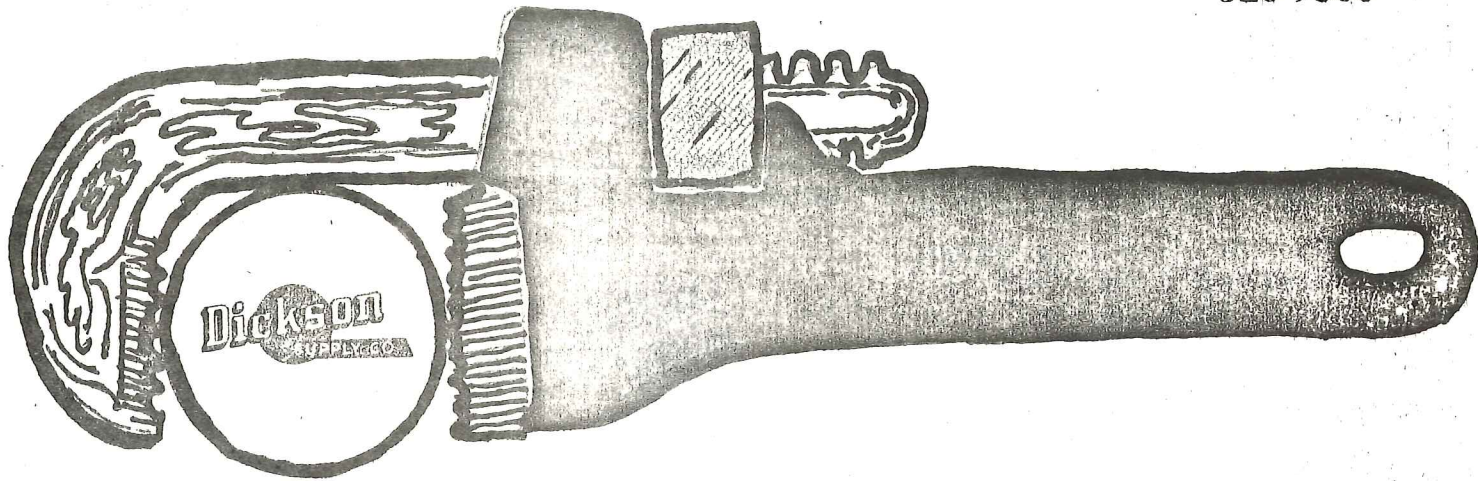


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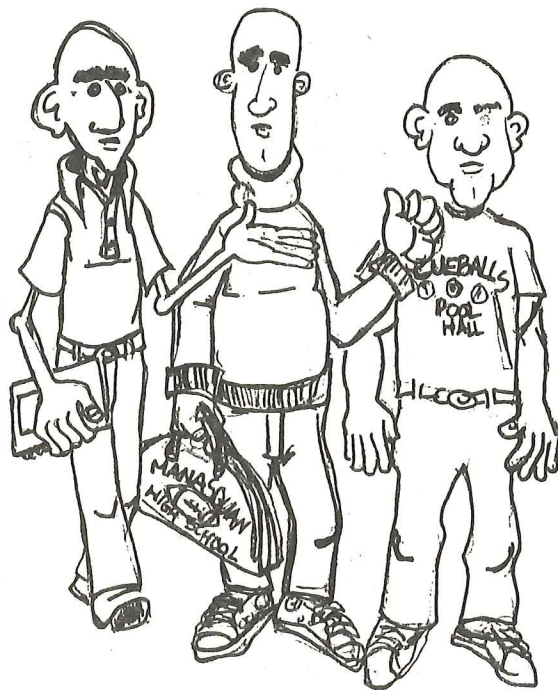
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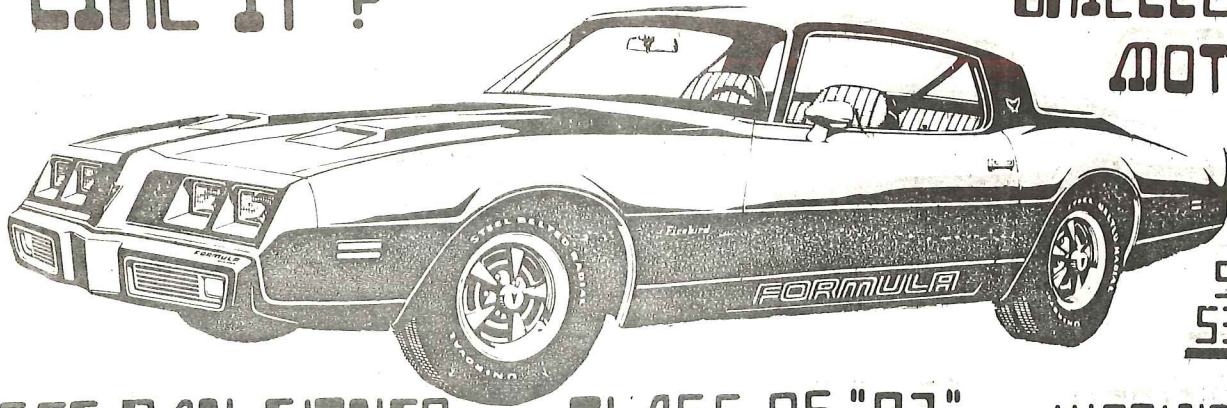
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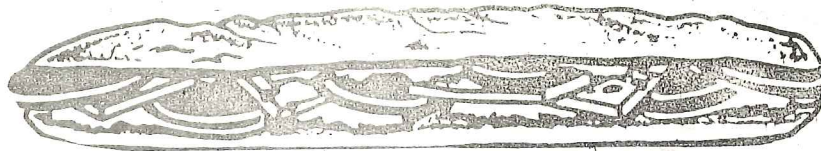
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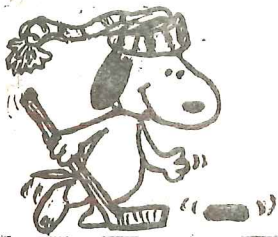
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# POWER PLAY



Carol Donnelly

1. Which one of these NHL players has scored the most goals in the last two seasons?

- a. Mike Bossy
- b. Guy Lafleur
- c. Marcel Dionne

2. After Bryan Trottier, who was second in assists in the NHL last year?

- a. Bob MacMillan
- b. Guy Lafleur
- c. Marcel Dionne

3. Which one of these active NHL players has led the NHL in penalty minutes the most times?

- a. Tiger Williams
- b. Keith Magnuson
- c. Dave Schutz

4. Bobby Smith led all rookies in goals scored last season with 30. Who led the rookies with the most assists?

- a. Wayne Baby
- b. Ryan Walter
- c. Bobby Smith

5. How many players in the NHL scored at least 40 goals last season?

- a. Seven
- b. Eight
- c. Ten

6. Which one of these NHL goalies played the most minutes during the 1978-79 season?

- a. Mike Palmateer
- b. Denis Heron
- c. Dan Bouchard

7. Which one of these NHL teams has scored the most goals on penalty shots and also allowed the most goals on penalty shots?

- a. Chicago
- b. Toronto
- c. N.Y. Rangers

8. Who was the first goalie to earn a shutout during the current season?

- a. Gilles Gilbert
- b. Denis Herron
- c. Phil Myre

9. Who was the only goalie to ever score a goal during the current season?

- a. Rogie Vachon
- b. Mario Lessard
- c. Billy Smith

10. Which NHL team has been involved in the most scoreless games?

- a. Montreal
- b. Boston
- c. Chicago

11. Which NHL team had the most penalty minutes in last year's Stanley Cup Playoffs?

- a. Toronto
- b. N.Y. Rangers
- c. Philadelphia

ANSWERS: 1) A-Mike Bossy  
2) B-Guy Lafleur 3) C-Dave Schutz 4) C-Bobby Smith  
5) C-Ten 6) C-Dan Bouchard  
7) A-Chicago 8) A-Gilles Gilbert 9) C-Billy Smith  
10) B-Boston 11) B-N.Y. Rangers





# MHS Weightlifting Past & Present

"Nobody ever loses with weightlifting," stated intramural weightlifting adviser Mr. Rick Trimble, who has been involved with the organization for nine years and is very impressed with its growth and development.

The organization's development started back in 1969 when Mr. Anders Anderson, Mr. Tony Trebino and a few students would bring weights, mats, and a bench down to room 002. This program was designed for those who wanted to lift and really couldn't at home.

In the spring of 1970 Mr. Eric Scheidt took over and supervised those students who wanted to lift weights. Those who did lift were mainly football players readying themselves for the upcoming season. In 1971 Mr. Trimble started with the organization. He helped those who needed it and also brought in some of his own personal weights. Two years later in 1973 a universal was purchased for weightlifting and was placed in what is now known as the weight room. The machine was a big step away from the irregular free weights which mysteriously disappeared and it also gave lifters a place of their own. Last year, a new universal was purchased to replace the old one. The old one can now be found in the elementary school across the street.

This year's weightlifting competition, sponsored by the organization for the students, will celebrate its sixth year. The event which is held in the high school gym is the oldest high school competition in the area. Also this year the lifters will participate in two interschool bench press competitions. The 200 club will be held again this year. To be eligible, you must be able to bench press 200 pounds or better. For this accomplishment the individual will receive a patch of recognition and will have his name placed on the certi-

icate in the weight room.

"It's open to everyone; it's cost free and there's no obligation," stated Mr. Trebino intramural weight lifting adviser. This probably explains why the intramural is becoming so popular. This year has produced a turnout of 35 members; its largest turnout ever.

With more students starting to take advantage of this opportunity to lift and more sophomores and juniors beginning to take notice, a new program for freshmen will begin shortly. The introductory weight program will be held at the Manasquan Elementary School at 7:30p.m. on Friday nights starting January 11.

"Mr. Trimble and Mr. Trebino dedicate a lot of time to help each person individually-without them the club would not exist. The kids that lift don't do it because they have to, but because they want to, and that makes the atmosphere in the weight room a good one," stated senior lifter Paul Walsh. "Mr. Trimble dedicates himself totally to help the members of the intramurals. It seems to rub off because they seem to be some of the most dedicated athletes in the school," said advisor Trebino, who then remarked, "Their attitude and cooperation is as good as any other sport."

## DATES TO REMEMBER

6th annual school  
lifting competition....February

200 club dates....January 11, 25  
February 15

Freshmen introductory  
program.....January 11

Christmas vacation  
hours.....December 24,  
26, 28, 29, 31,  
8:30-10am.

Eric Lapham