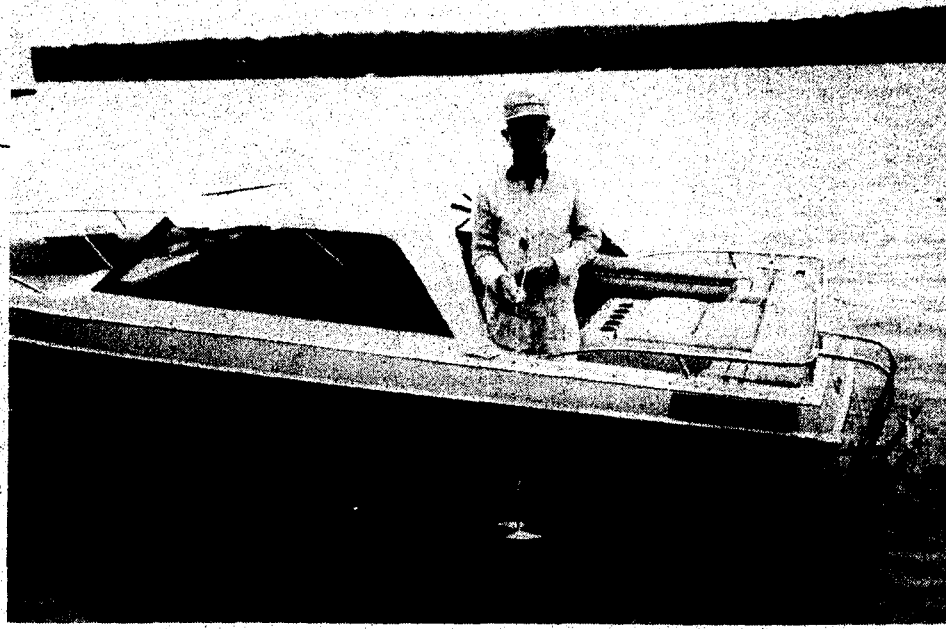


Volunteers continue water monitoring

Water quality testing done by the Tip of the Mitt Watershed Council indicates that the water quality of Walloon Lake has remained consistently good to excellent for the last 12 years. Through the Watershed Council's Volunteer Lake Monitoring Program, water quality measurements of Walloon Lake

are taken regularly throughout the summer. Each week, volunteers Bill Fairhurst, Ray Marx, Bob Steele and Frank Pritchard check water clarity by lowering a Secchi disc into the water and measuring the depth at which it disappears from view. Every other week, they collect water samples which are later analyzed for chlorophyll-a (an algae pigment) content. Comparisons from year to year provide long term measurements of water quality.

Both of these tests help determine the trophic status, or water See Watershed/Page 8



Bob Steele, Volunteer Lake Monitor from Walloon Lake's North Arm, demonstrates use of the sampling bottle used to take chlorophyll-a samples. Ray Marx, monitor for the West Arm, uses a Secchi disk to test water clarity.

Northwest Michigan
Vacationeer
included in this issue

Charlevoix County Press

Volume 111, Number 21

July 18, 1990

35 Cents

Density factors concern Boyerne City Planners

Density was the factor which played a part in the turning down or tabling two of the three requests the Boyerne City Planners had to act upon Monday night.

The planners first tackled a request from Gerald and Charlotte Mapes who wanted to turn a portion of their house into a duplex so they could rent it out while they lived in the other half.

The Mapes, who live at 941 North Lake Street, told the planning body that their children had grown

and the home was too big for just the two of them. They said they plan on doing some traveling and wanted to have the house occupied while they were gone.

The request may be the last one the planners had to decide under the present zoning as a new ordinance that will limit duplex development in the north Boyerne area will be enacted July 25. The City Commission approved the second reading of the change at their monthly Tuesday evening

meeting last week.

The Mapes said they were planning on remodeling the inside of the house making it into a duplex while not changing the outside of the home. They did plan on building a garage which would be used by both the renter and themselves.

Asking the board to consider the density of the area, Kim Rotermund, a neighbor, asked the board deny the request as he wanted the neighborhood to stay as it is. He said it would be too congested if the change were allowed.

He told the board that with the public access on one side, another duplex on the other side, the area would become crowded. That was also the argument of Marty Paul, a former member of the planning board. Another resident of the community voiced her objection to the approval again saying it would be too dense for the area.

The planners decided to table the request until such time as the Mapes bring back to the board a complete site plan, one of the requirements for the change, and other supporting material.

The second matter under consideration was a lot split proposed by Douglas Zahn for some property he owns located at the corner of Hull and Division Streets. Zahn wanted to take the four platted lots and make them into three lots, each which would be at least 80 feet wide.

That issue brought up density See Planners/Page 5

Breithaupt resigns

Bay to appoint new clerk

Bay Township Clerk Charles Breithaupt will be resigning at the end of the month, he said at a township board meeting held last week. The board then moved to set a special meeting to appoint a new clerk at 7:30 p.m. Thursday, July 28.

Breithaupt survived a recall attempt in which both he and Allie "Bud" Chipman faced petitions calling for their recall. Residents of the township were unhappy with the way the township passed an anti-noise ordinance as well as the amount of money spent on the township cemetery improvements. Chipman was recalled by one vote.

Breithaupt cited health and personal reasons as to why he wanted off the board. He was elec-

ted to a four-year term in November, 1988. Whomever the board appoints will serve the remaining term and will not have to face election until the term is up.

The township was notified that a special election to name a new supervisor will be held Thursday, September 6, according to the County Clerk's office.

Cherie Browe, an assistant in the Clerk's office said that both the republican and democratic committees within the county will be appointing five man committees to nominate those wishing to hold the office. The committees are to be composed of township residents, and each will nominate one person for the office.

See Bay/Page 2

News Briefs

Boyerne City athletes will be able to get the required physicals to participate in sports this year on Monday, August 6 at the Boyerne City High School, starting at 8:30 a.m. There is a \$2.00 fee charged for the physical.

The V.F.W. Ladies Auxiliary to Post 3875 will be celebrating its 45th birthday with an open house on July 22 at the V.F.W. Hall on M-75 from 4 p.m. to 7 p.m. The public is invited with a special invitation to past, present and charter members of the Auxiliary.

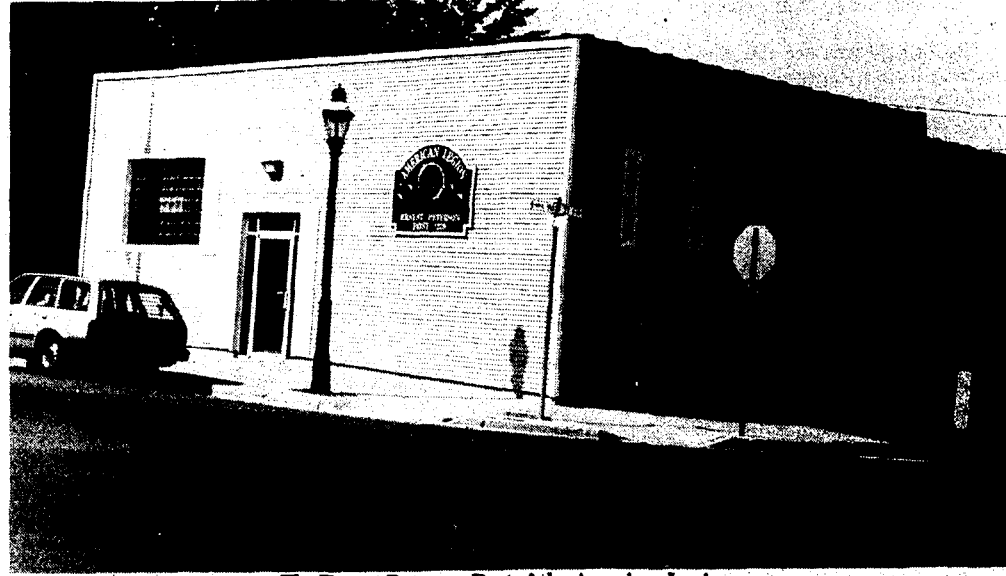
Showing that there has been an increase in tourist traffic, the latest figures say that U.S. 131 had a 9.7 percent increase in traffic over the previous April traffic volume north of Kalkaska.

The Lake Charlevoix Association will be holding its annual meeting at the Boyerne City City Hall Auditorium Thursday, July 19 at 7 p.m. Speaking will be Dr. Leighton L. Leighty, an expert from Michigan State University. He will be talking about property rights and zoning, shore land development and environmental regulations. The County Sheriff's Department will be demonstrating a noise monitoring device used by the marine patrol.

Loding award winners



The Harry and Delores Manoogian residence.



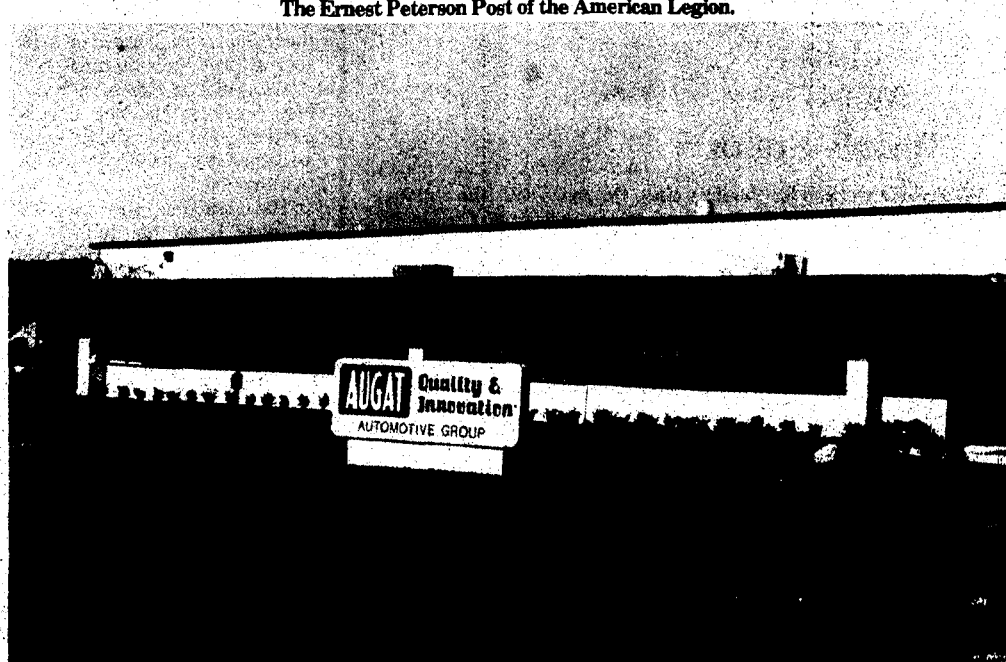
The Ernest Peterson Post of the American Legion.

Loding Awards announced by BC Planners

The annual Marvin Loding Community Pride Awards were announced at the Boyerne City Planning board meeting after the votes were tabulated for the three categories in which the awards are given.

Taking the award for the Residential Division was the Harry and Delores Manoogian residence located at 441 Elm Street. The award for the Commercial Division was given to the American Legion Hall located at the corner of South Lake and Main Streets, while the Industrial award went to Augat-Altair Tool Company which is in the new Air-Industrial Park.

The awards will be formally given out after the City Commissioners approve the names presented to them by the Planning Board. They expect to have the awards for a formal presentation at the second Tuesday evening meeting of the City Commission which will be held in August at the Littenburger Place at 7 p.m.



The Augat-Altair Tool Company.

The Humble Farmer

BY ROBERT SKOGLUND
The Cultural Center

One of the great things about living in the 20th century is the easy way we can get around. Nine hundred years ago Peter the Hermit might have inspired one's ancestors to travel in Europe, but there was a lot of fighting, murder and robbery in those days, and from what I've read, those who stayed on the farm were better off than their curious neighbors who yearned to gad about.

Today, however, it's no big deal to travel 200 or even 2,000 miles for a weekend. Two hundred miles is a simple four-hour drive on our new network of interstate highways, and a 2,000 mile plane ride takes no longer. Nowadays rural people need not look and feel like country bumpkins. A couple of hours in the family pickup brings them to the nearest cultural center. Ours happens to be Boston, where one can easily find a 17-dollar parking space in the basement of Copley Square and then relax and do the town.

Those who have sought out culture before know that door locks don't mean much in cities, so they do not leave anything of value in their cars. CB radios and radar detectors—anything that might be unscrewed, as a matter of fact—are unbolted the day before and left on the farm. This is part of the price of acquiring culture, but for those who occasionally need to experience the finer things in life it's worth it.

Our rural visitors are now in the cavern jammed with cars and a few out-of-town pickups beneath Copley Square. There is an elevator which will bring them up to the shopping mall where they can sit for awhile and watch the people swirl by. They have an hour to kill before the movie starts.

We pause here, however, because the people involved must not be named. This doesn't usually bother me, but in this case I've been told it better—if I know what's good for me. So let's call her "Ida" and him "Olle."

To Continue, Ida and Olle no sooner plunk themselves down on a bench right there in the heart of the hustle and bustle of that great, big beautiful shopping mall at Copley Square, when along comes a big black guy who puts his foot

through a plate glass window and reaches in and takes out a jacket. Ida is somewhat surprised, even though she's been to Boston before. "There is a police woman standing there with a little radio on her belt," Ida says, "but this fellow doesn't pay her no more mind than if she was a fencepost, and starts to saunter off with the jacket under his arm just as unconcerned as if he did his shopping like that every day. There are other people besides us watching, too, but nobody gets in his way or acts like anything's amiss."

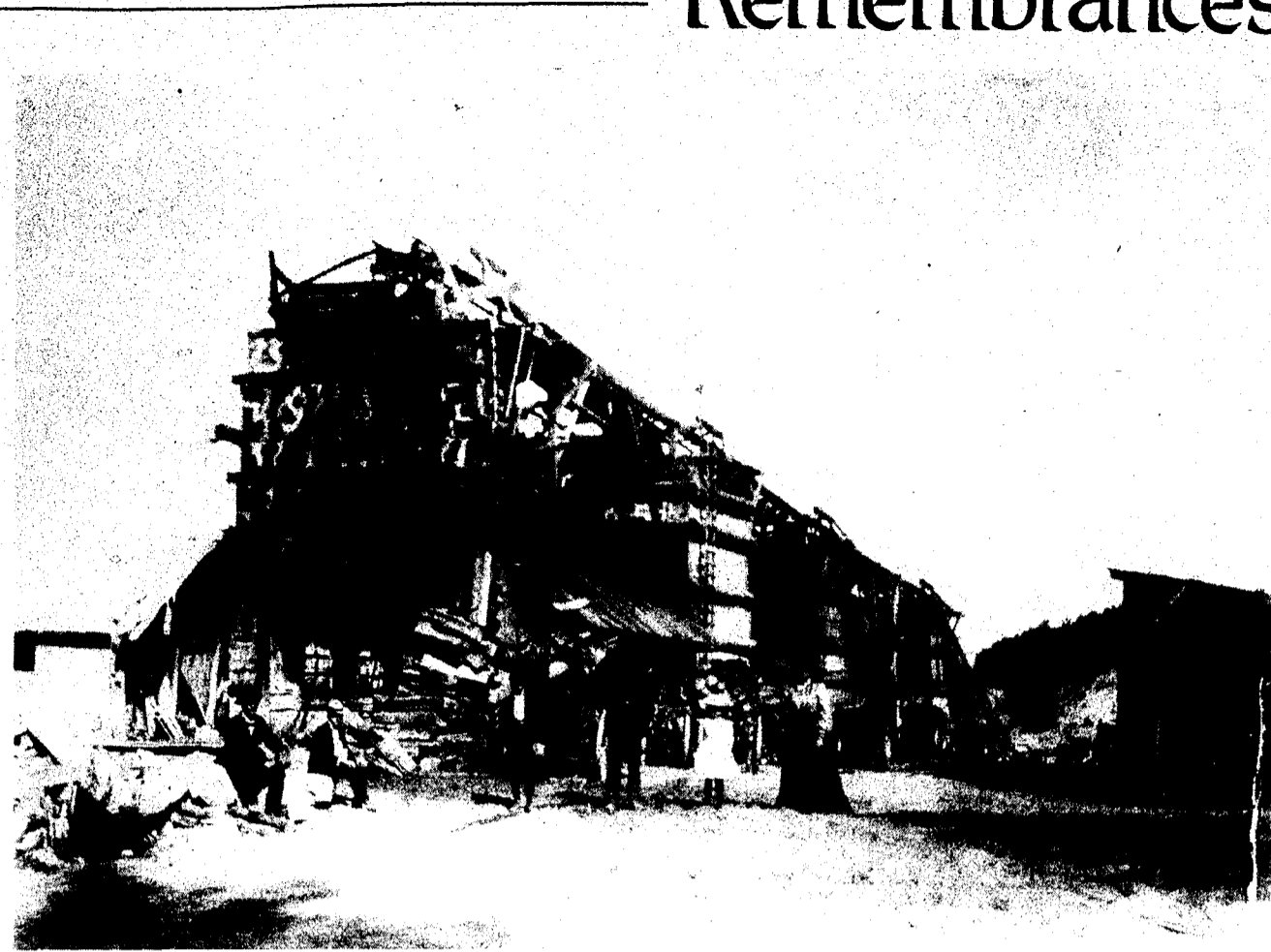
"The police woman was on her little radio while he was doing his fancy footwork with the window, and before he's gone too far she's got three big policemen there. Can you believe this character with the coat simply tries to walk out around them just as if he's got something very important to do? Anyway, he's not about to give up the coat, so they try to take it from him, and I'll be darned if they don't tear that brand new coat clean in two."

"Well, the police can't talk him into going along with them quietly so they wrestle him to the ground, flip him over, and snap the cuffs on him. By this time there's a small crowd standing around watching and he's making loud noises about how the cuffs hurt. Some woman who's seen the whole thing chirps, "Wouldn't he make a good ad for that little radio they're always trying to sell to old people on TV? You wear it around your neck and when you get in trouble it says, "I've fallen down, and I can't get up."

"A few other black guys have showed up and they're asking why the police are hurting their black brother on the ground. I could see it wouldn't take long to start a race riot if you went about it right."

"Olle and me got out of there. Outside, on the street, there were little pink papers under the windshield wipers. One was on the sidewalk and Olle picked it up to see what it was. It said, 'My name is Monique and I'd like to love you. Wouldn't you like to love me, too? There was a telephone number with it. No, we turned right around went straight home. Olle figured we could only handle so much culture in one day."

Remembrances



The beginnings of the cement business in the area started in Bay Shore when this cement making facility was set up about the turn of the century. Limestone shale was crushed, made into a slurry

and then kilned in the process of making cement. At least that is what the back of this picture said.

Jottings

BY JIM SILBAR

"Some day, 'Pow' right in the kisser," a long ago memory of Jackie Gleason's Honeymooner television show came back into my memory a short time ago. Why? I don't know. Just those random thoughts that occur to oneself as he goes through life.

I think I remembered that phrase after breaking or finding out two of the office cameras were broken. One on the Fourth of July and other discovered this week.

The thought was that as you try to get ahead, there is always something that will hit you in the face and take away any money you were saving up. Now I will have to spend an untold amount just to get the cameras fixed.

I had planned on being able to spend that money frivolously. Like buying some pistachio nuts, some junk food, and maybe even some gas for the car.

As everyone knows, you just don't make enough money to meet the expenses you incur.

I imagine if I were to win the Lotto, all 21 million or so, I could quickly find a way to spend 22 million. And I don't think I would be alone with that thought.

We Americans are experts on conspicuous consumption. We need more things than we will hardly ever use or than the rest of the world can only imagine.

Like when I was waiting for the other members of the family at a mall several weeks ago.

I felt that I had to spend some money also, just to match up with what the others were spending.

So not wanting to buy clothing, shoes or anything important, I went into the gourmet junk shop. The one where you can buy all kinds of kitchen appliances, knick-knacks and such.

I figured that I really did not need an electric wok, or a baby sized fryer. I ended up with a purchase of a french fry maker.

This french fry maker just has to be the greatest little invention of the modern world, according to the manufacturer. After reading the box with all of the information, I plunked down my ten bucks and walked out of the store with the new purchase.

The rest of the family came up with bags of clothing, shoes, and other real necessities of life. I didn't care, I had my exclusive french fry maker.

I then had to endure the wrath of the others in the family as we packed up the car to head home.

"A french fry maker," one said with a sneer, "You know that eating greasy foods like that will raise your cholesterol level."

So I endured.

When we arrived home, I put the french fry maker away, waiting for the day when I would like to make some french fries. Every now and then I get an urge, you know.

Then the urge came, and I started to look for some good

potatoes to use with my new appliance. Of course there were no good potatoes, so I had to make a trip to the store.

When I came home with the goods, I was informed that we were going to have baked, not fried potatoes.

A few days later I tried to make some, but again, all of the good potatoes were used up. When I finally made some with the almost good potatoes, they came out just as I wanted.

See Jottings/Page 5

Letters

Proud of Boyne at prom

To Whom It May Concern,

On May 5, 1990, our studio photographed the Boyne City High School Prom in Gaylord. We were so impressed with the students, we just had to write and let you know. Not only were they cooperative, but they were very well mannered and polite. Naturally, we come across a lot of nice students, but it is always a

pleasure to photograph an entire school where each and every student is a pleasure to work with. We truly enjoyed working with your school. Considering this, we felt obliged to write and commend the Board of Education. Please accept our apologies for this letter being long overdue.

Lori
McCreena Photography

Residents asked to participate

Editor,

Residents of the community and surrounding areas, again the time has come to take action. A joint Public Notice has been issued by the DNR and the Corps of

Engineers soliciting comments from the public, local agencies, officials and all interested parties. These comments will be used to

See Letters/Page 8

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CHARLEVOIX COUNTY TRANSIT

Cordially invites you to attend

the 10th ANNIVERSARY CELEBRATION

on Friday, July 20th from 2:00 to 7:00 p.m.

1050 Brockway Street
Boyne City, Michigan

"Buffet and Refreshments"

Reg Sharkey's Northern Journal

Those pesky honkers

BY REG SHARKEY
Who would have believed a few years ago that Canada geese would become pests?

But that's just what's happening in areas of Michigan, especially around the Straits.

It wasn't too many years ago that a goose per day, in a shortened season, was the bag limit.

Like famine to feast the proliferation of the majestic birds is causing problems to farmers, and especially lakefront property owners.

Perhaps the honker problem around these parts can be directly laid on the DNR's doorstep.

If I recall correctly about five or six years ago the DNR trapped Canadas in the southern part of Michigan where they had become pests on overcrowded, overdeveloped lakes, Oakland County being one of the areas.

Lakefront owners being taken in by a few Canadas encouraged them to partake of food generously supplied. It was great stuff to play host to the elegant birds. Eventually the birds become semidomesticated, repaying their human hosts with gosling proliferation.

Soon they began to wear out their welcome. Lawns became pock-marked with generous dollops of goose dung. Barefooted bathers played hopscotch trying to avoid the messy "muffins."

Pressure on the DNR resulted in live trapping the offenders. Some were marked with numbered, colored neck bands, and were transported to the northern part of the Lower Peninsula and released, hopefully where they would be welcomed and bolster a huntable population.

Well, by golly, that's what they did, only too well. Now we are experiencing the same problems as the downstate city people who wanted no more of the lawn doobers.

In spite of an early season: Sept. 1-10, that's been in effect a couple of years now, the honkers are outdoing the waterfowlers, producing

more gosling than are eventually harvested.

Lakeshore dwellers along the Inland Waterway, especially Crooked and Pickerel Lakes are complaining about the nuisance the semi-tame geese are becoming.

But some of the complainers have only themselves to blame. And when the special season in early September comes along most of those same complainers object to hunters harvesting the proliferating, lawn fouling geese, yet want the DNR to do something about it.

Live trapping the honkers and transporting them to another area would only be transferring the problem.

So the only logical solution to the problem is a longer special season with larger bag limits, getting the lakeshore dwellers to encourage hunters to take the offending geese in a legal and safe manner from the areas where the congregate.

P.S. (Political Salute): Very seldom do I write an endorsement for a person seeking public office. But this exception I do willingly with heartfelt support for William (Bill) Huber, Republican candidate for State Senator for the 37th District.

I've known Bill for a good many years, ever since he was the right hand man of then State Senator Bob Davis for two years (1977-78);

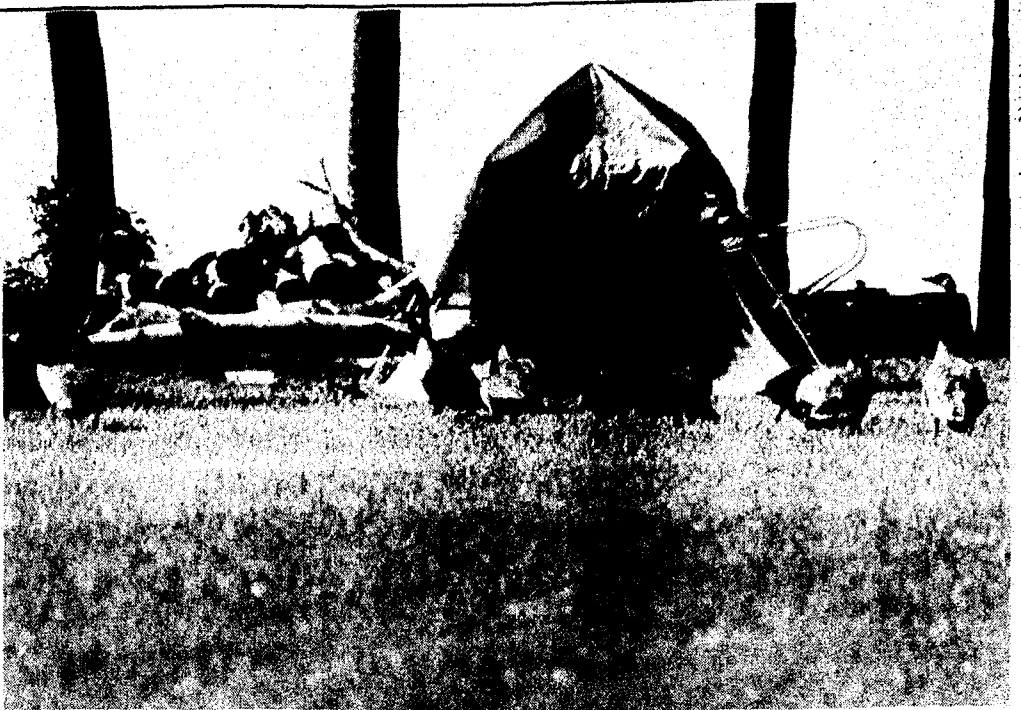
and when Davis went to Washington as Representative of the 11th District (the largest in the State) Bill took charge as District chief in Davis' offices spread all through the sprawling 11th District. Bill did a lot of traveling and as Davis' representative listened to the people and their problems that needed assistance at the Federal level, relaying the information to Davis in Washington. In retrospect it was, and could be, a pipeline from our Senatorial District to Rep. Davis in Washington.

Surely Bill has a first hand knowledge of the people and their problems in the 37th State Senatorial District.

I personally have had prompt and courteous replies to some of my problems when they were relayed to Davis in Washington; and I know Bill is vitally interested in environmental problems affecting this area.

All in all, Bill knows the people of the area much better than his opponent, and also their problems, and Bill isn't depending on campaign money coming out of Lansing.

So, when election time rolls around in August your vote for Bill Huber will help get us a State Senator who knows the people and their problems in the 37th State Senatorial District.



There were plenty of geese at this campsite making out for the goose droppings as they walked around the pests of themselves. Sharkey says they were looking site for handouts from the campers who also had to watch

Conservation District to have humorous meeting

The Charlevoix Soil & Water Conservation District is holding their 42nd Annual Meeting, July 24th at Whittings Park.

Each year the district puts on a dinner and holds a business meeting at which directors are elected for three year terms of office.

The meal this year will be Swiss Steak, at a cost of \$3.00 per person. Reservations should be made in advance by calling 582-6193 or 582-7341.

The speaker provided the following introduction: He hails from a small town in northern Indiana where the biggest business in town was a large Avon lady. His grades in college were no better than Dan Quayle's, but he was captain of the freshman football squad for three years.

Walt Buescher spent a lifetime with Allis-Chalmers. He started toting company soil conservation films to meetings in 1939 and has worked with our people ever since. Walt has addressed over 100 conservation audiences including a

dozen state conventions.

Buescher ended up at Allis-Chalmers as Sales Promotion Manager and in that assignment was named agribusiness's Marketing Man-of-the-Year. The Bueschers now live in Pigeon Forge, in the Smoky Mountains of Tennessee. Walt has written two

books, one on meeting planning and one on humor. Get set for a little humor.

Please call ahead to make your reservations. Tickets will be sold at the door. Dinner is at 7:00 p.m., Tuesday, July 24th at Whittings Park.

Golf Scores

FLOYD ALDRED BOYNE CITY MEN'S GOLF LEAGUE WEEK OF 7-11-90

R. Renaud	11	L. Kowalske	6 1/2
H. Watson		M. Bradstreet	
J. Williams	10 1/2	T. Evans	
J. Kwiatkowski		S. Sanders	5 1/2
C. Pollock	9 1/2	D. Hewitt	
D. Lindley		M. Laurie	5 1/2
V. Ayers	9 1/2	T. VanAlstine	
R. Robertson		T. Nowakowski	5 1/2
J. Stackus	9 1/2	E. Madary	
A. Barden		D. Farrand	4
A. VanDusen	9	R. Bobowski	
D. Toffolo		J. Clark	4
R. Grogan	9	N. Weeks	
A. Kapanowski		J. Bunting	3 1/2
M. Case	7 1/2	T. Sorenson	
T. Penny		J. McDonald	3 1/2
D. Peck	7 1/2	J. Hodge	
R. Towne		K. Mueller	3 1/2
D. Halstead	7 1/2	J. Fallot	
T. Seelye		M. Cummings	2 1/2
R. Janisse	6 1/2	B. Starback	
		D. Clark	2
		B. D'Aigle	

BC football players invited to work out

For all those football players, and those interested in football this coming fall, new coach Pat Klooster has announced that the weight room at the Boyne City High School will be open Monday, Wednesday and Friday between 8 a.m. and 10 a.m.

The new coach says he will be looking forward to meeting and working with those interested in going out for the team.

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Army worm infestation could be worst in years

The armyworm is on the march throughout much of central lower Michigan. And it may be on the verge of reaching outbreak proportions.

Uncontrolled, armyworms can destroy an entire field of corn or other crops, says Doug Landis, Michigan State University Extension entomologist.

"We are advising farmers to be checking all of their crops immediately for armyworms and their damage," Landis says. "In some counties, such as Eaton, it is already at an outbreak level."

Environmental conditions during the past few months—a cool spring followed by warm weather—have been ideal for the development of the armyworm. It had not been a serious threat to Michigan crops for several years.

"Army worms are usually held in check by several natural enemies, including parasitic flies, wasps and diseases, but this year the armyworm population has apparently escaped its natural checks and balances," Landis says.

Depending on the population level and the vulnerability of the crop to armyworm damage, farmers may have no choice but to apply an insecticide to their crops, Landis says.

He says that, for the most part, farmers will use their own equipment to apply insecticides, but if a crop is being ravaged, aircraft may have to be used.

Currently the armyworm is feeding predominantly on plant leaves in wheat fields, but as the leaves dry the worms will migrate to other fields or begin chewing the heads off the wheat plants.

Landis advises farmers not to spray wheat fields unless the wheat heads are being clipped.

As the wheat crop matures, the armyworms will "march" to other fields. If the population is large enough, they will eat almost anything.

Landis says the time to treat corn at whorl stage is when three or more army worms are found per plant. If the corn is less than 10 inches tall, the threshold for

treatment is one armyworm per plant.

Treatment of soybeans should be done if the armyworm has destroyed 40 percent of plant leaf surface, unless the soybeans are in bloom—then treatment should begin if 15 percent of the plant has been defoliated.

In dry beans, treatment should be made if 25 percent of the leaf surface has been removed; in alfalfa and oats, treat if four or more army worms are present per foot of row.

Landis says that the armyworm adult (a moth) lays its eggs in dense grassy areas and that the emerging larvae feed primarily on grasses, including grains and corn.

When they are small, armyworms are hard to detect because they feed primarily at

night, hiding during the day at the bases of plants in the upper layer of the soil.

When the armyworm population is high, however, the caterpillars may also feed during the day. The larger armyworms get, the more they eat and the harder they are to control.

In addition to wheat fields, Landis says that farmers should be checking fencerows and other dense grassy areas around fields for evidence of army worm feeding. Armyworm larvae usually feed on the margins of the leaves. Ragged edges on leaves, holes chewed in leaves, clipped heads of small grains and the pellet-shaped, dark green frass (excrement) are all signs of armyworm feeding.

It may be, Landis says, that early detection—while the cater-

pillars are small—will mean that just the border of the field will need to be treated.

The armyworm is a cylindrical, hairless caterpillar with a brownish head, three pairs of small, jointed legs just behind the head and five pairs of fleshy legs.

Their bodies are usually dark brown or greenish with a broad, light stripe down the middle of the back. The caterpillars may be up to 2 inches long when fully grown.

In Michigan, two to three generations of armyworm occur per year, but Landis says it is the

first generation which feeds during June and July, that is the most damaging.

Farmers should check with their county Cooperative Extension Service office for recommendations for treating armyworm-infested fields.

Letters

Watershed Council still says Walloon Lake good

Continued from Page 3

consider and evaluate the proposed One Water Street Marina and its impact on conservation, economics, aesthetics, historic properties, fish and wildlife, recreation, water quality, safety, etc., etc. These comments will also be used to assess the needs and welfare of the people, their concerns and the best possible utilization of our natural resources. A lack of response to this proposal will be interpreted as meaning that there is no objection to the permit application. It is therefore of the utmost importance that people take the time to put their views, opinions and concerns in the form of a written comment and let their voices be heard.

We would again like to review some of the major concerns of our committee, The City of Boyne Parks and Rec. board, WATCH (Water and Air Team Charlevoix), Eveline Township, and the more than 2500 people who signed our petitions.

Those concerns include:

1. Public surface water being taken for private use.
2. Loss of fish habitat—specifically walleye and bass spawning grounds that in their natural state are irreplaceable.
3. Water quality—the potential for pollution and stagnation of our lake water from increased boat traffic and marina.
4. Public beach—declining water quality, swimming hazards and pollution could force closure of this area.
5. Riparian rights and rights of ingress and egress. There appears at this time to be some controversy over the interpretation of these rights, between the City and Water St. One.

Continued from Page 1

quality, of the lake. Lakes naturally age (eutrophy) over time. Human activities can accelerate the process by adding nutrients to the lake which feed algae and aquatic plants. As these die and decompose, they can cause oxygen depletion. The data gained through our testing programs are used by the Watershed Council and lake associations to monitor potential pollution problems and as a basis for taking corrective action.

This year the Tip of the Mitt Watershed Council has expanded its Volunteer Lake Monitoring Program to include 27 basins on 17 lakes. Five lakes in Antrim County have been added to the testing program.

A video describing the sampling technique has been prepared by the Watershed Council to train volunteers. Other volunteer Lake Monitors for 1990 are: Black Lake-Claude Rogers; Burt Lake-Jim Valrance; Lake Charlevoix-Don Spalding, Maxine Hough; Crooked Lake-Meryl and Buck Hankey; Douglas Lake-Ward Potts; Lake Louise-Bob Getts; Little Traverse Bay-Wendy Conway, John Cameron; Mullett Lake-Fred Connors; Paradise Lake-Stan Jansen; Pickerel Lake-Bud Gurney; Twin Lakes-Dave Sherman and Jim McPherson. Sampling on Elk, Torch, Clam, Skegemog, and Bellaire is being coordinated by Bill Weiss.

Thanksgiving; or providing more than 42,000 underprivileged children with a Christmas shopping spree; or raising approximately \$1 million in pledges for the March of Dimes to fight birth defects, K mart stores have a strong presence in their communities.

The new K mart will be under the supervision of Bill Gryson, regional manager of the K mart Midwestern Regional Office, headquartered in Hoffman Estates, Illinois.

"The store staff will assure that K mart is alert to the needs of its customers. The employees are being trained to provide fast and efficient service," said Cupp.

There are 126 K mart stores in Michigan including the new Charlevoix store and there are now approximately 17,200 employees.

K mart Corporation serves America with over 4,000 retail outlets in all 50 states in the United States and in Puerto Rico and Canada.

Manager appointed at K-Mart

K mark Corporation has named James Cupp general manager of the new K mart discount department store at 06600 M-66, North, located in Charlevoix. The store grand opening is in July.

Cupp comes to his new assignment after serving as manager of a K mart store in Bloomington, Indiana. Prior to that assignment, Cupp served as manager in Decatur, Indiana.

A native of Huron, Ohio, Cupp joined K mart Corporation in 1969.

Regular store hours will be 9 a.m. to 9 p.m. Monday through Saturday and 10 a.m. to 6 p.m. on Sunday. Two wheelchairs and one electric shopping cart will be available for handicapped customers.

Once established, the new Charlevoix K mart will organize a Good News Committee. The Good News Committee consists of associates who volunteer their time to participate in "good works" activities in the local community.

Whether it's distributing food to some 42,000 needy families for

Boyne River to get lamprey treatment in July

The continuing battle against the sea lamprey by the U.S. Fish and Wildlife Service will soon come to the Boyne River, a tributary of Lake Charlevoix in Boyne City. If larval sea lampreys are detected in Porter Creek during surveys in late July, this stream may also be treated.

Sea lamprey control consists of eliminating lamprey larvae in streams flowing into the Great Lakes, thereby protecting the Lakes' fish populations.

A service crew of fishery biologists and technicians with experience in sea lamprey control from Ludington, will arrive on July 30. Initial work will include stream velocity and volume measurements, water chemistries, bioassays, and placement of control equipment, according to Robert Morman, Station Supervisor, of sea lamprey control at the Service's Ludington Biological Station. A critical study of stream flow patterns is done with rhodamine WT dye or a fluorescein dye (a material that turns the water a bright green). These dyes are nontoxic to people, fish, and wildlife.

This initial information is then used to determine the amount of lampricide (TFM) that will be applied to the stream during the treatment. Treatments will be conducted in July 30-August 3.

The lampricide selectively destroys lamprey larvae, but is nontoxic to humans, pets, livestock, and other animals. A small number of resident fish may die during the treatment, for example, fish weakened through spawning or environmental stress, as well as other fish that are weakened by disease or are unhealthy due to pollution. Chinook and coho salmon in advanced stages of spawning are especially sensitive to the lampricide. Resident populations of stonecats and trout perch also are very sensitive to the chemical. In addition, any aquatic organisms, such as bait minnows, that are confined artificially in the stream water may be susceptible to the lampricide because of crowding and handling. Those who keep such organisms should consider using an alternate supply of water

during the treatment.

State fish and wildlife agencies are contacted prior to TFM treatments as are municipalities that use the streams as sources of potable water. Agricultural irrigators will also be notified and asked to suspend irrigation for a 24-hour period during and immediately after treatment. Some garden plants may be damaged or destroyed by TFM and should not be irrigated with water containing TFM. Plants in the cucumber family are especially sensitive.

The sea lamprey invaded Lake Ontario in the early 1800s, subsequently entering Lake Erie, via the Welland Canal, around 1921. Within a few decades, the lampreys infiltrated the Upper Great Lakes and severely reduced the number of lake trout and other fish species.

Before development of the lampricide and the control program, sea lampreys had virtually eliminated lake trout populations in the Great Lakes. The control program, initiated in 1956 by the Great Lakes Fishery Commission, was begun in tributaries of Lake Superior in 1958; Lake Michigan streams were first treated in 1960, followed by treatment of Lake Huron in 1961 and Lake Ontario in 1971. The treatment of Lake Erie streams did not commence until 1986.

Repeated treatment of tributaries to the Great Lakes are necessary for control because of the difficulty of eliminating adult lampreys in the Great Lakes. Adult lampreys enter the streams to spawn, after which they die. The larvae they produce live in the stream bottom for several years. Later, as adults, they move into the lakes to prey on fish. The control program is designed to remove the larvae in the streams before they can grow into the adult parasitic form.

Since the advent of lamprey control, lake trout populations have increased and are showing promise of becoming self-sustaining through natural reproduction, according to the Fish and Wildlife Service. Most of the lake trout planted in the Great Lakes are produced in Service hatcheries.

Sea lamprey control also benefits brook, brown and rainbow trout, and coho and chinook salmon planted in the lakes by the Departments of Natural Resources in states and provinces bordering the Great Lakes.

The Service emphasized that the fishery now enjoyed in the Great Lakes is dependent on sea lamprey control and would soon decline or disappear if the control program were discontinued.

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