## Evening Herald



Sanford Police Patrolmen Carlos Monti (left) and Greg Harrell, right, burlesque act in Polly Stevens. who was "busted" for doing her Tuesday night. But it was all in fun.


Bob Foster. 69, Chicago, Lakes his shot on the green at the Mayfair Country Club in search of the gold medal awarded to first-place winners In the Golden Age Games.


Frances Knott, 63, of Punta Gorda, lakes her best shot at the billiard table as she competes with Mary schanzle, 57, of Palatka. Ma. Knotl took gold medal in $\$$-Hail for Women and Ms. schanzie took the silver in The
Herbst Ties For Lead In Golden Age Bowling

Heratd Stall Writer The third day of the seventh annua) Golden Age Gameen produced some

seasoned performances Irom partictpants.
Wednesday mana a day lor bullierds,
cribbuse, s dance conteat and the
Jubilee Dinner-Dance.
JJack Kaiser. coordinator for the
bow ling competition silce the trest bow ling compeesition slinee the tirs
Golden Age Gamen to Imi, tadd the twoday competition wen, smonothly,
Kalter said 92 bowiers vied for the Kaliser said 92 bowiers vied dol the
high socre on Tuestay, wile 111 high score on Tuesday, whlle 111 showed oplo roil em Wednesday, The
oldest bowler was James Mason, 92 , of Sanford. The high score rolled for the men Sanford, and Frank Bongiorno, 71, of rrando, both with a scratch score of Complete schedule. esulis, other photos. Pages 2A, 3 A

## Here's 'Culprit'

 In Wemenday's Ereates Hervil

 Late Mary in the real "ceiprli" Mor Tellastan rategery of the tor Oin 15 allver mednl knocked down 2 20s pins in one game to
grab the eligh score
awirn for rab the ilgh score a ward for women. who desceribes herself as the "moother nd grandmother of tennis players," nared the gold medan for poomen's doubles compeetion. She ecursed the Barbara Cooper of Winter Park. The hobby show, sponsored by the Extension Office, featured competition in arts, catts, ceramices, orticulture, colleections, neediework John Palecch, 57, of Leeaburs took lirat place in the neediewort com-

## Sanford Policeman Suspended In Probe



Jones refused to talk with reporters chis morning at his Lake Avenue addres The City Hall officlal who contirmed Jones probe does no! "end with the fire, It may include other activities the officer allegedly mas involvel Ray did say loday that his office has tornally
fled an intormation against the tran wanen charging them with arson, but that no information has been Illed yet agains! williant.

He also contirmed that once the investigation
involving Jones s completed either the officer wil Involving Jones is completed, either the officer will
be relistated to the department or the nalter will go before a grand jury.
 early marming hours of Tuesday, Dec. 30. The
Seminole County Fire Departurnen, ralled by the depuly, put the tire out.
The deputy at the time could find no witnesses who sem the biaz begin. The depuly's repori of the
incident said Jonese asserted he had last been of the Pupan will Po Pippin said Willians, Patriciu Willanis and
Sharon Meeker, when confronted by inves! gators. admitted they had seit the fire. He sild the sn-
vestigation is contiouint vestigation is continuing.
Mrs. Willams and Mrs. Meeker were buth
arrested Oct. 9 and arraigned betore County Jutke arrested Oct. 9 and arraigned betore County Luatge
Alan Dickey on Monday. Public delendera are Alan Dickey on Monday. Public delenders are
handilin both their cases. The wonlen were


## Blastoff <br> Space Shuttle Finally Soars Into Orbit

| ceship roared to life partly clowdy and like column of Пlame wake. <br> good," mission <br> on sald as the ship tower. <br> cular beghning to a <br> ph journey thal will uts to thes and 2 und the Earth. Never spaceship fown in |
| :---: |


Two Banks Take The Lead

## Prime Rate Dropping To 16½ Percent

 banks, today lomered their prime lending rate to the tey charge a t its lowest level in nearily a year. The cut put the prime rate for top-rated corporate and reduced han demend oumed pastat fort money nation's widening rece The Federal Reserve, which malintained a tight

Treasury Secretary Donald Regan and several customers at the lowest level since it stood at 164, mooetary policy lor more than a year to fight in- mope to if percent or even lower by yearend.
TODAY


## FLORIDA

INBRIEF
Realtors Meet In Miami To Discuss Housing Slump MIMI BEACH (UPII - Some 10.00 realestat
genis and brokers converged on Mlami Beach tode io struggle with whal economilts ste calling the wors Thitonwide hausing depresion since Worta War II.
 a ppecial focu on onightinerest t rates and dine dopresesed
housing marke.

## Potable Water Bill Filed

 wants hie state Io require phosphate mining ompanies Current slate lan enities only that the discharg aier be as
Gordon, D.MLami Beach, filed a bill Wednesday thal would require discharge water to be potable ellectuv
in 1983 lor new mines and 1983 lor existing mines. Sealiff Trial Resumes

MIAMI ( UPI) - The trial of uree clerics and
nurse who fertied more than t 40 Cubans to Key Wes board a World War II submarine chaser named ederal court this morming.
The fievs. Leo Frade and Joe Doss, both of Grace Eerez of Miami, and Oeflia llutchinson, a nurse from Louma, la.. are being cried on charges of consplacy

## Games Event Resulis

 saniord. hotation pocket bilidiards 66, Zellwood; and thrrd, Thomas Hopkins, 70, Sanlord. First, Woody Sukesis ition

## hobby show

First,
rances Knol
second, Bill Grover; and third.
 First. Frances Blumi

rances Blun. | Ceramles |
| :---: |
| second, Sa | Horticullure

second Jessie
First, Jack Weihle; second Jessie
Owen.

First, John Palesch; Necolleword, Edna Watson; and Thrd,
First, Abble Owen; seand liecoratiluans Frances Sethe; third, Abble dances Contest
Wallz
First, Lese and Dorothy Davies, Dellona; second, Fred and Mary Paricia, , eesburk; and third (tiel Henry Blakely,
Sanford and Altheu Thominson, Deltona, and Winnie Payne. Sanford and Sarge Falard. Fern Park

First, Phillip and Elenore Goins , Tampa; second (tue), Edillth Mililer, Jacksooville $\qquad$
Firsh, Winnie Payne and Sarge Fiflard, Sanloord and Fern Park; second, Douklas and Sylvia Firat, Maltland; and third
(Ue), John and MInnie Kane, Sanford, and Foberi and Edity Miller, Jacksonville.
Firnt, Herman Cain and Jane Man Miler, Orange Clyy; mecond,
Edwin and Kulbleen Morrsey, Tumpa; and Lhird, Tom and (

First, David Gearthart, 61, ILesburk; second, Al Bowldman,
So, Casselberry; and hird, Frank Bongiorno, 71, Orlando.

## WEATHER

 relative humidily: 65 percent; winds: noth at 10 mph.
FRTDAY TIDES: DAYTONA BEACH: highe, 8:51 am


boating forecast: st. Aurustine to Jupler Invet, Ow

AREA FORECAST: Mostly sunny and breezy loday. Fair onlght. Parlly cloudy Friday. However, some increase in nid 70s. Low tonight mid Sss. Winds north to nor theast 15 mp decriday

| Ecrening Herak | (Usps 41.30) |
| :---: | :---: |
| Thursday, November 12, | ו-Vol. 74, No. 11 |
| Published Daily and sum Werald, Inc., 300 M. French | encept seturstoy by the senterd , Senlord, Fie, anil. |
| scoond class potow Poin | Sentrect, Floricos 3 ml |
| Mome Delivery: Weok, Year, sis.00. By Mail: Vear, 845.00 . Ey M |  |

## Student, 18, Arrested For Store Holdups

A Seminole High School student was being held at the seminole Counly Jas his morning charsed whin robery and
armed robbery. Bond was set at sil,00. Earl B. Jones, 188 of 1506 W. 16 Lh SL. Santord, was plcked Irom a photo ine-up as the man who twice heddup the Cum-
berland Farms covvenlence store at 3100 S . Sanford Ave., Sanford, police repor
According to the store manager, the man who robbed the
store twice in the same week relumed two days after the store twice in the same week relurned two days after the According to pollce, at aboul i p.m. on October 11 , a man denuified as Jones passed a note to the clerk demandin noney be put in a paper bag. At the same time, he pulled his shirt aside to reveal a gun tucked in the waist of his pants.
On October 18 , police report, the aame man allegedly robbed the store again
Originally charged with two counts of armed robbery and
held on sIn, 000 bond on each count, Jones is now belng held on aly one count ol armed robbery. County Judge Alan Dickey found probsble cause on only one
count of armed robbery, reducing the other charge to robbery and the bond from 110,000 to 81,000
$A$ gold and anilique black ring with nine diamonds valued al
31,000 and 82 ln cash were taken from a home al 305 Sweet
1,000 and 223 inc cash were laken from a home at 30 swe Rebecca S. Brooks reported the ite
misesing at 9 a.m. Sunday and could have been laken as cart! pollie sald.

##  <br> "

Navy Color Gua veteran shlpmates at Veteran Day ceremonies n Sanford Wedneaday

## Transfer Order

 Called 'BrutalAL.BANY, N.Y. (UPI) - A cevil liberiues group called
brutal" Preasdent Heagan's transter to in Army "brutal" Presiden Meagan's transter to an Army camp in a
cold climato of more than 3,50 Hatian and Cuban retugees, who are used to troplcal lemperatures.
The New York Civill libertles Union said Wednesday that the
cransfer to Port Drum, near Watertown, was an "inhumane" Hempl by heagan to make the refugees' stay in this country
Reagan ordered the Iranster Tuesday.
Reagan ordered the transter Tuesdiay.
A Whine llouse aice said 2,500 Haillans and 800 Cubans.
 In Watertown, Merrill Blanchand, chairman of the Jefferson
count y Board of Supervisors, sald he was "slch of Jefferson Count y Board o Supervisors, sald he was "slcico o Jeliferson
County becoming a dunping kround for the lederal governnent." said twe wanted the prealdent and all miembera of
He ensress os osin "a paper" compress to sign "i paper" guaranteeng that none of the coll Blanchard bo county carpayers. the refugees cominn in in from a tropicel area.
"If they slart petiling preumonia and frosbite, will they be treated at For Drum or will they bring them into Watertown': Iready overcrowded hospltals?" he asked.
 "They may nol be the world's most poshh facilitites bet they
are turctionul," sald Mal. Cari Olsen, public Information oftic. are tuncllonal," "sald Mal. Carl Osen, public information ottlo
er at For Drum,.he sald. Olsen sakd the refugees were expected at the fort in six io iight weeks. ${ }_{\text {A spokesman lor Gov. Hugh Carey sald thal much of the for }}$ is old and nol adequate for year-round living, especially in the winter."
in annou In announcing the transter. Heagan sald hat "use of this aite
 ariving illegally in the United States, pending resolution "Theit stat.
 appears it's an attempl to lorce them to levve," by making
Rep. Hattaway Going To Haiti

 milgration problem Into south Flordide to wa wal talu Hedtanny wid the rroup will Iy to Halld Sunday mad reburn Wednesday.
of the tropicaHol oliage buidees, which is erpanding into Haltil "Illi be meeting with agriculture people and others trying to find a solution to the Haltian problem," Hatla riay ruld.
He noled that nexi Theedey' Sominle

HOSPITAL NOTES
(20

Action Reports

* Fires
- Courts
$\star$ Police
CANT GETACHARGE
good reason il waselery wouldit start his car, but lor
Bryant, of 212 W. 2rd Street, Sanford, reported to police his car battery was stolen sometime Tuescony while his cur w.
pure rooms ransacked
Policic report all the rooms at the Donald R. Bowden
residence, 37 Cypress Landing residence, 3 Cy Cypress Landing Drive, Longwood, were ranDespite the mess, hewever, only y 1100 of miscellaneous
ROBBERY ARREST

Floyd T Johnon RObBERYARREST
Frested T. Johnson, 22, of 1405 Bell Ave., Sanford, wa robbery. 2 by threalening assault
Jo,onson is being held at the Seminole County Jall in lieu of

## Veterans Day

## Sanfordites Pause To Remember

| by teni yarborocge Herald Stafl Writer | miral, but I'm mor so," Moore said. | courageously, however (in $V$ he sald. "Let us offer tribute |
| :---: | :---: | :---: |
| ast | He read a proclan |  |
| ff Lake Monroe Wedrestay did not |  | delense, Moore sald the beat salute that |
| kef area restdents from paying rifibe |  |  |
| Americh'in war veterans at Santord's | sert |  |
| in Sentord |  |  |
| dropping of a wrea | velerans," he sald. "But we must | mall American nags , were placed |
| Irplene into the waters of take Mcnroe | the time to show our grailude for mia |  |
| , theeegun salute and Taps, Sanfo | Moore added that while | died in mill ary service. |
| or America's armed forces, both | ne when veterans | Sponsors for Wednesday's ceremony |
| ng a | gave their lives are honored, "We should | Included the American Legion, American |
| Mayor lee Moore, a teltred Navy |  | Veterans (AMVETS), |
|  | returned home as motivaled in peare to | Amertcan Ve |
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| hard |  |  |
|  |  |  |
|  | war he calied unpopular and shameful. | Veterans of Foreign Wari Posi 1010, and |



## NATION

IN BRIEF
Southern Bell Cusfomers
May Get Stuck With Tab
BiRMINGHAM, Ala, (UPP) - Soulterm Bell
 Ifered lang and duatre telephone service in Florida Federal lificitals hive told he Birminghem Past. Berala that Hart IIdudutree owee Soutbem Bell H dillun for useof it is inese and hatit the Imm can't pey

Stockman In Hot Water WASHINGTON (UP: - Budget drector Dovid


"Hicr redibiblily and
supports is in serious dowebibill ly of the program he
 Reaved Connceses and the publlc about the impert ol The furor is over
man is quoted as sayng Reagan's lax cut plan was : "Trojan horse" ploy to aid the rich and that the hage
budgel cuts were poorly planned, hastilly enacted and budget cuts were poorly planned
Ignored Penlagon inefliciency.

## WORLD

INBRIEF
Soviefs Reject Profost; Swedish Relatlons Cold MOSCOW (UPI) - The Sovlet Union rejeted as med submarine'A intruston near a topseecret base nor under greal atrain
In a def Iant mescage handed to Swedish ambancador Carl de Geer, the Kremiln Fednesday inctited be
Sovee Navy's submarme No. 337 trayed accldentally


## Arabs Warn U.S., Russia

 aded heir Persian Gulf summit wilh agreement to the he Saud peanc plan to the Now. zanso Leagu Inces a closing communique In a coasing conmmunique only three dayz before he Guil corpornion Council sutald wedinemstry the "securty of the Gult was the nois responsibibliy of tio

## AREA DEATHS

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| crings, dled Tuedday | Mrs. Leitic Mas McCulouric |
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## GoldenAge Games Events Schedule

| activir time |  | Location | spouson |
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HAVING A BALL
Don Hull, fi., of Port Orange, hopes to "strike" up a will during the bowling
Cilty Alfers
COPY Policy

Randall Chase Jr. accepts an award from Shelley Korenbrot on behalf of his
 The senior Chase was lauded as a leader and innovator in the business worl

Lake Mary Woods
On Council Agenda
The fina plan tor the 8-acre Lake Mary Woods subdivivion, 17, IIl be conmedered galin by lhe Lake Mary City Councll as hoand. p.m. meeting today al City Hall on N. Country Club Tha plan was turned down a week ago afler councilmen expromed doncem has drainage yrom the d
Comenciman Filchard Feas also oblected to the plan phase of the abbdivision off East Street.
Fess uld Eant Stret, the entrance road to Seminole Conmunity College, already it heavily congented with trattic and veticlam trom the neer development noull worsen during the neat tew months, causing more tratlic problem
during the consuruction period.



## MODEL CLOSE-OUT

 and more!


## Evening Herald

300 N. FRENCHAVE, SANFORD, FLA. 1 ITI
Thurkday, November 12, 1931-4

 mo.00; Year, $\mathbf{m 7 . 0 0}$.

## A Failure Of Nerves

The political and economic breakdown of disturbing developments on the world scene Americans have a tremendous stake in a cound and stable Europe. Twice in this century Americans have shed after World War II America world. For years Marshall Plan assistance to Europe to help rebuild war-shattered economies. For more than a generation, the United States has maintained large military forces in Europe to prevent a
Soviet takeover Today, that investment in blood and treasure is endangered. A wave of neutralism and defeatiam, embodied in the Better Red than Dead antinuclear movement, is enfuring Britain and the Continent. The unilateral diarmament element, Whreat than the Soviet Union is dem manding that NATO accept permanent military inferiority to the USSR. In Britain, the Labor Party is calling for the removal of U.S. bases.
On the political scene, left-oriented regimes Western governments may go the same way. Free market economic systems also are in trouble. The Mitterand government in France has begun a massive program of nationalization that ta apparently designed o kill capitalism in that nation. Tor French companiles with government participatlon and direction will be operating in the U.S. market and buying American propertien. If we take the long view, thene unhappy
developments are not surprising. This is not the developments are not surprising. This is not the first time in history when people have signaled a
preference for servilude over freedom. And preference for servitude over ireedom. And
servilude would be the end effect of Europe yielding to Soviet pressures. Conceivably, Western European nations could become caplive nations in the ispos. Ironically, Eastern Europe is The craven spirtis is no new in h constant in human life; It often triumphs over courage. So it was in the 18300 when Britain and rrance refused to confront the menace posed by and the hideous concentration campa in which millions died. It could happen again.
As for the turn to socialism on the Continent, we must remember that it has ancient roots there. opinion, are almost overwhelmingly mocillith Moreover, Europe like the Unlted Stutes is threatened by competition from Japan and other newly industrialized countries. Europe has loot many of the markets it had in Africa and 19503 and 1950 is juat now having a manaive Impact. Unemployment is very inigh on the Continent and worsening all the time.
The United States can't rescue Europe from its current predicament. It has to recover from its wn failure of nerve. The United States, however, make clear that it won't continue to malnain 35,000 troops in Europe if the Europeans are unwilling to accept force modernizution and aren't morally and intellectuslly prepared to tand up to the monstrous Soviet totalitarianiso hat is bent on cruahing Western civilization.

## Please Witte

Letlers to the ediver are welcomed for pubicallon. Aud etiers mum to signa, with lelephone number so the wenky of the writer may to verified. Twe Evenhy Herald will respect the whlese of writers who to mat want heir names ho wrim. The Everas
Herald also reserves the rigis io atill bethers to ellmizate libel or to coulorm to spece requiremeats.

## BERRY'S WORLD



dy janz caseclemany

Weltare payments and lood stampa were dedayd foco io diys to two weetu lint July and maney local roctplents were without money of
A yours couph arrived from up north in merch de a job and therr car brote down in A lanily yoe thetr borme and belongingis to fre
contuly and were without food, cloching, and
furaliture. m . ta ther
There did theop people and hundreds of otsera in mermencion?
 Magnolla, reterred by the bealth and

 amper roctive no government hunds and La trom the communty.

The volunceern who stuft the center recelve no three hours one day a month. The center is open Mondyy hrough roday, 9 nime
"We want to do something pectal for the people at Thaningolving and Chirstemes," mald Xit Carmon, public relandorsa chalimmn ior ihe cenber, "but our lunds are 'rilch.' There are all thowe
 A recent break-in cleaned out the food supply.
The tut ely old house, whlch the haring center occuples renthree ls owned by Holy Croes


 storerouse of goods.
During seo ite
During 1 Seo the Sanford Chrletian Sharing

 bealing, hegnl and medical uid, and groceries.
Eppenses lor operating the center in Expenses sor opersting the center in 1800
wouncd 1,020 .
"I belifere in the power of prayer," sald Car. "I believe in the power of proyer," sald Car. one way or other, he doesn't close one door
unlesa He open another." Carzon io avilible to ppeak at club meelings and churchen concerming the sharing center's any call 333-1792

The Moat Rev. Thomas Grady, Blathop of the Cathoulce Dlocese of Ortando, wa on hand
sundey altemone to dedicate and bless the alrrective nem wdilitons to the Al Souls School's sadlldes. The courtyard was packed with studentis, frecests andy, purents, por the joyouscos occeasion. The bethop took advanage of the opportunity
to put in a few words for nuclear diammamen.

## ROBERT WALTERS Why DAR Feared By Reaganites

washington (nea) - President engun', mbordinates have bjentified a roubbe for the administrtration by promolithg und consumption. The name of the potential dangerous Thatis right, the DAR - and orgeniention that for decades has been stereotyper as a Ider) ladies ideologically ensecaned in the th century The confuct between them and the Reagan progroulve aprrte within the DAR and a idebound, regrealve approsch to energy nany of his advisers.
The agat begen under the administratuon of
Prexident Carter, when the Departmenl of President Carter, when the Departmenl of
Energy contracted with Rick Trow Troductions, a Wulibu Girve, Pa.; Innow to develop $"$ mults-media show called
"Stremme America," milch waid detiged "Streamine America," milch wa deatigned xchool 1 students.
Te DAR embr
The DAR embroced the profect as in in-
tegal Component of to nev Energy Ethica program and agreed to encourage its more ann 1,100 chemptry Arouefout the country.
But when work on the production (which complete lant spring Reagen virtually moved Into the Energy Departipeni end diccovered that the cerlipt wLS promoling It stated trulhfully but bundy, that the
nation wat "running out of fill." The Reagan natlon wat "running out of oll." Hpe Reagin daminisistration changed that to "we can rur At another podnt, the orighnal ceript sald into mariy." That mily replecod by statement that solir collicctors could be useful under the raght conditions. When DOE officalas threatened to cancel encena about the pollical meddiling. White Howem aldat, realiding that a pabilic cor-
trontulton with the DAR could be erm-
 Arat a monting hast month, "we have come
 Comiltion. "They arane with our podilion. But il the Reacin admit
 not aboudaned its detrominad rellot to


Despite Denial, CIA Payoff Confirmed




rider


## SPORTS



 kendall (left) charges uplield for an additional block. Sutton, a Star Conference and District AA-9 ditles aleng wilt a spmot in the state
Football Seminoles Hope To Follow In Knight's Shoes To District Crown

By SAMCOON Herald Sports Editior

 High foot ball crach Jerry Puscy keeping a close eye on Fighting Seminole
volleyball coach Donalyn Knight's shoes volleeballa c
these days.
ino, twerr
posey marriagke, but Knight has somehing that posey covers.
 Knlght's netters carned the prize last
Friday when they turned the tables on Fidday when they tumel dhe tables on
L.ynan in the district batlle at l.sman "iligh School. " sure would be nice if we could add another une, smiled Pose
night while cetting shings in order for the the Seminole volleyball tean's's Region tas As you probably alteady know, Trise netters whipped Satellite, too, and
will be going to ith Section $4 \Lambda$ Tourwill be koing to the Section $4 A^{3}$ Tour-
nament Friday where they meel Plannament friday where they meet Plan-
tation, a team hey beat $15313,12-15,16-14$. It was the first time an area team had
disposed of Plantation, winner of six usposed of ither tilles.
stralkh district
 viclory will earn Herm a spot in the state
lournament. Only four schools will lournament. Only
remain after Friday.
 Daplona Beach Mainland Friday al
Memorial Stadium in Daytona. The xickoff is $8 \mathrm{p} . \mathrm{m}$.
Bob Wullace's B
Bob Wullace's Buucaneers are 5.1 in in
conference and disticl. Seminole is 50 .
Spruce Creek was involyed it Spruce Creek was involved in the race
until last weke when it tell io Apopka.
The Creek Hlawks are out ol things a 132.

##  Mainland hasn't overpowered anybody, excepl lyman (190) and in

 that game a couple of tipped passes made The Buss other four victories have
 Somenow. the Buccaneers lost to
Apopka, io7 on a lastsecond Mark speppke, 10.7 on Posey is just as surprised about Mainland's way of going about hings too,
buit he's not surprised with the resuls.
 Deleand and Apopkn and there was some question as to what they were doing."
chuckled the personable coach. "They chuckliled ihe personabie coacc. "They
didnd look overpowering, but they were winning."
Any overconlidence Posey might have Any overconlidence Posey might have
buill
how for Friday's clash ven whiter, however, when he saw the ressulu of
Mainland's sictory over Spruce Creek Mainlanal's sictory over Spruce Creet
"They looked excellent thal nigh
bserved Posey. "They are probably observed Posey. "They are probably
mosi balanced team we will play."
Posey is particulaly Posey is particularly latery
sophoriore quarlerback Eric Crlus and sophomorese quartertack Erre
running lack Johnny Rivers.
"Childs is
"Childs is the most dangerous
scrambler we've faced all year," sald Posey. "He has a bill of unctrones and
yourve kot to lock him up or he'll hurt
you." me man thal hurt Spruce Creek the most was hivers. A benchwarmer mos
of the year, the fleet-looled runner wal not listed on the program most of the
year. He wears number 33 . year. He wears number 36 .
Rivers recelved his opportunity when
runnalng back tsack Bell went down with Nanling back saace Bell went down with

## 

 P.

 the second quarter. In the third perriod. E:lwards also won a deffensive award. he muscled two yards for the eventual Paring the way onfensively was Sult
winning TD. "Ile just fat geta behind the defensive suard lpmanald Croslyn and tackle Issal
 outruns everybod."." Rivers cuugh two tor
passes for 9 yords and ran 12 tmes for passes for 93 yards and ran 12 times for with one interception. Keeping an eye on Hivers for the Ed "Too Short" Jones. While Ed tuay be
 tor the Dallas Cowboys, he has been Wednessay, earnedl un offensive aumar



## Ed "Too Short"

## Jones led the

delense agains
Lyman.

Sanford 800 Goes Out In Style; Boatworks Blanks Pine Hills, 5-0

By SAM Cook
Herald Sporta Edith


Along with Williams oftensive burss, he
tumed awny five shots on goal during the tumed awnay five shots on goay during the
game to keep the ethutout in order. Deefenively, Cosch wullams signalled incor coecer
 Neville, Scolt Rellienrath, Bobby Sante to its third goal. James Bowers Grenney and Brandon Cannavino. Teddy possed to J.J. 'Partlow, who banged during the coneat. Goanderd Don-1, F.C. Uulued 7ua- Tosst's two goals completed the Goadile Don Tucker combined with scoring, Cindy Benge and John Burkhend
sweeper Philip Prez o b blant F. C. United
were cited for thelf defense per. viclory in even starts.
Tim Wrikenen booved in the game- Celeste Indusities remained unwinning gool on an amate from Pres defeated in age 12 and under competiw on Preriy free isch from madtied boulcoed ammed 11 beck in. senford $20-5$, P Pre Hillam- Alex Plquer booted in the first two Sanlord capturso tix outh game in dx firathali advantuge Rusty Smith tacked decisions at Craig Tosul capped a fart. on goal number three and Chris Ray
 bome tro unamisted
of the firsi nesion.


Bachrach held the United team to one
lifst-pertod kool. while Chuk Holl
blanked the F.C.
lirst-pertiod goant, while Chuk hoil early moment of the second hall by
blanked

 coach Wayne Abbert tor their detensive
constribulions.
 brother act -Durrond and Sheldon
Richardm-lo bury Pine Hill for te foth
 Durtann lurired in $\&$ Hal Trick in ine
fras hall as Celery Cly bolled to in to Irra hall as Celery Clty bolled to in on
 Tim Roberts cllived next before Durrant Sapp. Spp scored for a to lead. Hal posey wisp nexl on ther board on tead. Halst Posey from Malt Albert and Durrand flchavist frem
Whigham el up the next Ino scres eith Whisham to Dup the next two screses rith paceen to Durrand and Albert. D.
Rickards closed the scoring jurl before
intermisedon.
early moments of the second hall by
scoring on an asusis Irom Whighan
shelino Richen Sheldon Richards foliowed with a goal on rom Whigham. Sapp joined ihe Hat Trick delegation
for a 121 bulbe on an masist from Allert.
 and Sheldon Richards closed une scoring on a break avay yrom mildifled.
Celery's offensive explotion was Celery's olfensive exploalon was
lune-up for the Holly Hill Thankegivin Tournament wilch will lake place Now.
$0 \rightarrow 2$.
 Sandord rem-1, F.C. Ualled 710-1
 cillion. Santord playy under coomlando Santurday at
 Winter Part alpoed Sandord deaplie a and under context. senford traveras to the Faigrouition oo play Pime fille coo als
a.n. Saturday.
Winter Purk LuI 6 , Sandord $400-1$
Winter Park broke loose for four gad Winter Park broke loase for four goads Liwanis. Tim Deppen had the Kiwanis goal on opped to 2 年 Danny Kearma. Santor oinped to 2.5 with the zetbeck Devple Ring togited with 23 shots, goalle Shen before Winter Park, an A Division team nally broke through. Leance Broderick furned in
defendve game for Kiwans.

| Soturcar's santera secter semitule <br>  <br> senleres 000 in Dommome orienco 003 - Memarial Junior High ilas pm sanlord 0011 ve Pime Hills mos cuntord <br> Suntord Airport is Winter Park mz al Sentorad 201 vs. Maillend IBR al Sentera Airport nil <br> stantera 200 va Maillend pota sentora Airpor 11.50 a $m$ <br> c. Uniled 41 Suntord Aliport $10: 20$ a $m$. |
| :---: |



## Miss Holt, M.C. Roether Repeat Vows

St. Mary Magdalen Cathollc Church, Mailland, was the Mark Clement Roether, were untited in poly matrimony. Father Patrick J. Caverly officiated at he candelilight, double
ring ceremony and the celebration of the ring ceremony and the celebration of the Nuptial Mass.
The bride is the daughter of Mr. and Mrs. Newell Lee Holt, Santord. The bridegroom is the son of Mr. and Mrs. Clemens $P$. Roether, San Ials obispo. Calil., formerly yof Maitland. A program of nuptial music was presented by Don
Schaphauser whose selectlons included ""paul's Pryaer,"" "Beginning Today," selectlons "O Pertect Lovere." SPhubert's "Ave Maria" wass sung during the seating of the motheres of the ervide
and grooms. The bride entered the cturch to Beethoven's "Ode and groom
lo Joy."
Pete Roether, brother of the groom, reciled the first reading,
The Creallon of Woman," and the second reading "The Greatest of These is Love", and the second reading "The During the ilghting companying himself on the gultar, sang "The Wedding Song." The Communion songs by Schanauser were "In Love for Me"
and "You are iear. AA the conclusion of ter and "You are Near." At the conclusion of the ceremony the
nemiv married couple were presented to the guests and exited the church accompanied by both applause and the recessional.

The bride, gwen in marrage by her lather and mother, was
radian in her gown of white illusion lace fill radiant in hee gown of white ilusion lace featuring a nnadarin with pearls and sequlns and edged with sulk venice lace. The pointel shaul extended Irom the yoke to the edge in reemsoidered Chantilly lace. The poirtel akitr with hat rows of Edgewood lace lloated into a double full ruffic at the bottom 10 n small brimmed hat ol reembroidered Chantilly lace be beded with pearis and sequins. A tour-dayer boutant bustie of poinl
d'esprit al the back of the hat completed the old fashioned motif. She carried a cascading bouquet of white butterfly orchids, baby's breath and mini-carnations. Bridesmaids were Mrs. Rlichard Dearing, Longuood; Mis Debble Bill, Sanford, and Miss Lisa Pascocellio, Altamonte podice and a pleated Olana sklrt. They carried nosecgays of mini-carnations, heather and baby's breath to complemen their dresses. Their matching old-ashitoned wide brimmed hats were adorned with wreath of lily-o-dhe-valley and
reesia which were later removed and morn at the reception The bride abse removed her hat al the recepp
halo of butterly orchid and beby'ib breath.
Flower grisis, Lesilie Bowers, altired in a iong frosted rose
Kids Losers $\ln \mathrm{S}$
 marrages didyorces, remarrisges and shack-ups. I finaly
couldn't lake any more of their "your kids and my kids are fighing with our kids" situalions, so avodded them. They let me know thal I wouldn't be Lnvited to any more "familly at. ccepping of their current roommates.
The emotional stress affected me phyydcally and I was
under the care of a phyyalcian tor $\mathbf{t} \mathbf{w o}$ months, during which ume my children tried to prove me ine incompetent to handle my


 courting now and plan to marty. My children insist thal he it after my money. He's not. His holdings are equal to my Abby, please tell your readers nho belleve in the ancitity of the home and marriage to take hearr. The good Lord helpa
those who pul up atght to preereve that sanedity. DEAR F;: There la no lam, artural or coocetved by muna that ays culldrea cas force upoe proreats whetr coscrept of
 DEAR ABBY: My name it Paula. I married Frank Folf and ago and I took back my malden name, so now 1 am Paula Johnson again. My question: Am I Misas Paula Johnson, or Mrs. Paula Johnson? Being the moderes of a 4 on, 11 would ap pear as though 1 had a child out of wedion
Johsson, right? How can I explon thas?
dear paula: You are mbe Paula Jormula johnson


 have you ever haved of a batteryd moother? Well 1 am one. tiven it mon hid father in elght yeurs. I morted to support nother The iner two yearr my son has become physicully arcanger
 oul phydeclly. He hus hit me mith a becoball bat, dive mon terred they, were brokna! More socundy y knockod me apinat the tove and broketino. $\alpha$ my tiba in in the coun-

Innovation Workshop
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 Iaventor and the eatrupprapour with the probians of nettion mith the protericonals about thetr poblems.


MRS. MARK Clemens hoetiler Accolytes were John Holt, brother of the bride und Jim Ilol, cousin of the bride.
Clem Roether attended his son as best Inan. Pete, Jiun, John
 Molt, brothers of the bride, also served as ushers.
Mrs Mvs.
lavender crepe gown trimimed in lace, The kroonsm's molher wore a pale pink chilfon kown trimnued on the tadilice with embroidered flowers. Both mollers wore wrist corsages of Following the ceremony, the parents of the bride entertained at a reception for over too guests at Sanora Club liouse, The cande lit cake table highighteu a meellered weddin rake, decoraled with fresh howerss. The chanparagne gobleta
and siliver cake knite were decorated in the same floral motiit A lour-piece combo provided dance music throughout the evening.
After a
ander a wedding trip to New Sryyma Beach, Carmel. Callf.
and San lauls obispo. Callf, the newlyweds are making their and San IMivis Obis in
The groom holds a B.S. degree in horticulture from the A... degrefe from Seriniole Community College and is em
ployed at SolarTite, Inc. in Cascelberyy. anctity Fight

eloc's presence the boy shut up like a clam. He atsolutely
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oughing itoutintexas DEAR TOUGHING: Determilalag nhether or nol your som's
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tepectedly to his abuue, you need help too, Mother.


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by Howie Schneide $\underbrace{\text { THAT }}$ HELPS 2 PRISCILLA'S POP

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## HOROSCOPE


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FLETCHER'S LANDINO

## An Annoying Common Problem


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should clean thetr tongue annely reactions and tension
when they brush tuecir teeth. A The problem is that thes toothbrush will do the job. $\begin{aligned} & \text { The problem is that and pillat do do } \\ & \text { methert } \\ & \text { unearth the basic dificuly }\end{aligned}$ As explained in The Health unearth the basic difficity
Letter number $O$, Hallosis: the reason for your anxiet The Breath Problem and What to Do Aboul 1 l, which 1 am sending you bad breath
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## Beyond Common Sense Point

Dy DON 8MITH G LARRY CARLEY
In recent years, the scheduled maintenance intervals for new cars have been lengthened greally - much to the benefl of new car ownern, aay the auto mamufacturers thanks to improvernents in oils, materials and the elimination of leaded gasollne.
However, nol everyone agrees with what the car makers are saying.
Almost nine out of ten ( 87.7 pet ) professlonal service

station mechanica say that auto manufacturen' recommended service intervale for their late-model cart are too far apart.
An even greater percentage ( 97.1 pct.) of these ln dependent mechanics are convinced that some of the car makera' suggeated oll change Intervals - appronching the 12,000 -mile Ifgure on $1800-1$ modela - have been stretched beyond the polnt of common sense and adequacy for real world driving conditions.
And if mechanics are right In the assessment of today's long service intervals, the motoring public is being minsed into practicing a penny-wise, pound-foolish maintenance program for their new cars.
Every mechanic knows that when cara are not main tained as they should be, the eventual result is major repalr bills - repair bllis that could have been prevented by proper malntenance.

What's proper?
What is proper care? How realiatic are the recommended service intervals contained in owneri' manuals? Engineers working in rarefied corporate environments at GM, Ford, Chrysler, AMC and VW Lave these suggeated service intervals each year for every model. For decides new car purchasers blindly accepted these edicts
However, U.S. mechanic, laboring in a grungy, real world of auto repar faclutten and who see the dimaying, expenslve results of tmproper and-or inadequate car care, are violently disagreeing with the service intervalu recommended by car makers.
Two Hunter magazines, Motor Service and Service Station Management, conducted a nationwide study among mechanica at Independent repalr shops and service alations to find out how they view recommended service intervals. A total of 2,200 questionnalres were cent to a geographically and demographically (Large and amall shops) sample of readers. The magazines received 951 completed questonnaires, a 43.3 percent return.

## 'Gone loo lar'

The survey results clearly show what many in the industry already suspected: The vast majority of working mechanics believe Detroil's extended service interval have gone too far - especially for such critical liems as oil and oil filter changes, chassis lubrication, autormatle transmission fuld changes, and air and fuel filter replacement.
In one extreme case, an undetected collapsed PCV valve hose - a $\$ 1$ ltem - caused the need for a complete engine rebulld to the tune of an estimated $\$ 1,400$. Many mechanics also report expensive transmisalon overhaula resulang from the lack of routine checks and tranamiasion nuld changes.
On the other hand, if the auto manufacturers are right - that olla and materials have improved and that motorists can safely drive more miles between all changes, etc. - then the public would be wating millions of dollars each year overeervicing thelr cars with needless malntenance is they were to follow the mechanica' recommendelions.
One of the queations acked was: Cenerally speaking, do you think the auto munulacturver' recommended servioe Intervals are about risht, too far spert or too trequent? Three out of four mechanics ( 77.2 pet ) in repetr sthop cald the lntervale were too far apart; 21.5 pct. agreed the intervals were aboul right; and colly 1.3 pet. mid the totervale were too trequent. Almoed o out of 10 of the service station mechander ( 17.7 pet.) suld the intervale are too far apart.

## They all agree

On most queation in the surrey, repatr chop and eervice station mechandes were in clow agreement in their views on what constitutes sdequite schactuled maintenance for intermodel vehicles.
Hers are twotypical resctions to the arvey, one from a repater chop owner, the ochar from a top cervice atation mechanic:
Armand Amidel, owner of Amldel's Garage, Highwood, IIL, han been In the repair businem for 30 yeare and is a NIASE-certified mater mechanic.
He mald: "Exiended service intervals are nothing but a sales pilch.
"some people might argue that we have a vected interest in ating curtorners to come in mare froquently for

service. But based on the repalra we've seen, cars are defintity mex being maintained as they should."
He mild the factory-recommended service intervals for "normi" driving are too tar apart for most people because most are ahort-trip, stop-and-go drivers. "The resull," he said, "is oll in such bad shape that it has congealed in the crankcase.
"A salesman who does a lot of highway driving can probably go up to 4,000 milles between oil changes with no problems. But the stop-and-go city driver who puts less than 0,000 miles a year on a car should have an oll change every 2,000 miles."
Donald Melland, who works as a mechanlc at a service station in Hinsdale, III., was one of only seven U.S. mechanics to score a perfect score in the NIASE ceruificalion test for electrical systems.
He also belleves the car makers' recommended intervals are too far apart on some key service categories. He pointed out that the station is seeing a big surge in intermal engine work, an indication of car owner negiect, especially on such routine tlems as oll and filter repincements. He also clied the importance of regular transmisation fluid changes, stating that such neglect can lead to expenalve repalr work.
Mechanica were asked If they thought an oll change interval of 12 monthe or 10,000 miles (Ford Escort-Lynx, lor erample) was adequale for real world driving. Nine out of ten, or 80.6 pet., sald no.
They were asked what maintenance items they thought were most frequently neglected by the motoring public. One out of two, or st. pet ., mentioned oil and oll filter changes.
They were akked what maintennace flems they thought were moet impartani to trouble-iree deving. Nine out of ten, or 81.3 pct., answered regular oil and oll filter changes.
Thay wire aloo athed what tind of oll and oll filter change intervals thay would recommend to their curtomers for both "normal" and "gvere" divings. The definition of normal and merere was left to thetr judgment.
For "normal" dudvtas ele. 1 pet. of thote polled recommanded oll change labervale of 4,000 milea or leser; 11.2 pet. recommended s,000 miles; and 11.0 pet. said 6,000 miles. Only 4.1 pet agraed with the 7,000 to 10,000 -mile intervale recommended by the auto manufecturers.
For "mvere" mervice, there was hen diagreemenk. The fectory-recommended interval here for oll changee in thret monthe or 3,000 milies, whictever comes first. In this cane, 3.4 pct. of mechanics recommended oll change intervale of 3,000 miles or leen, with nearly hall, or 4.4 pct. recommending 2,000 miles or lees.
Chumes lubelcation intervals, for example, are 30,000 milea for Ford and Chryiler and 7,500 miles for GM on the 190081 carn. Mechanica diangreed, with Etil pel. aying Iube intervale chould be theo malios or lases. Fower than I pet, agroed with Fard's and Cryiker's recommendation of 30,000 miles.

# \$80 Billion For Slicker Auto Design <br> To ineel the challenge brought on by the <br> the fuel efficiency of a vehicle, the three <br> be downgauged to produce a lightweight <br> resistance at 65 milles per hour, for in- 

1974 enerby crisis, vehicle manufacturers have launched the most extensive retooling program in American industrial history. The cost is expected to exceed san billion by 1805.
Are such large expenditures helping vehicle manufacturers meet these challenges?
The answer is yes.
In 1ges, for instance, all U.S. manuac turers exceeded the 22 milles-per-gallon passenger car heet federal fuel economy standard-an incredible improvement of 70 percent compared with 1974.
And the technological improvements in vehicie fuel economy and the shift in consumer demand loward these nem smaller, more fuelefficient vehicles have resulted in saving the average purchaser of a 1900 car $\$ 1,700$ in gasoline compared with a 1974 vehicle.

THREE MAJOR FACTORS
While there are many factors affecting
main culprits currently being attacked by engheers are welght, aerodynamic drag, and rolling resistance.
In the area of weight reduction-by far the blggest factor in fuel econamydomeatic automotive engineers have been able to reduce the lleet average weight of passenger cars by approximately 750 pounds since 1975.
One of the major contributors to this accomplishment has been the increasing use of weight-saving materials such as aluminum, high-sirength steel, and plastics.
One auto manutacturer reports that its usage of aluminum-already at 400 million pounds per year-will roughly double by 1985. Signifficantly, one pound of aluminum replaces roughly two pounds of steel.
The use of plastics-now at around 160 pounds per car-also is expected to double by 1985.
The use of high-strenth steel which can
part with the same functional strength as one made from low-carbon mild steel also is on the increase.
The typical 1981 passenger car included 196 pounds of high-strength steel for a weight saving of about 75 pounds

## Payolfs in downslzing

There is a secondary benefil to these types of welght saving. For examiple, as total welght is reduced, the frame and suspension weighls can be lessened, making the lotal weight change benefit even grater.
Visibly, the biggest weight savings has occurred through downsizing. Many vehicles have shed as zuch as 1,000 pounds, while still maintaining, or even increasing, interior roominess.
For the average automoblle Iravellng al 40 miles per hour, one-half of the engline power is used to push air out of the way. The faster it goes, the more air resistance increases. Pushing a vehlele through uir
stance, consumes 40 percent more enerty than at 55 miles per hour. So culting air drag can be one of the most cost-elfective ways to boost fuel economy.

Automotive engineers using wind tunnels have developed ways of managing the flow of air over a moving vehicle.
Some 1981 cars, for example, are the result of over 3,000 hours of wind-tunne! testing. During this extensive testing ${ }^{3}$ scale clay models are used first, then full. size elay models and, laslly, production prototypes.

These efforts result in numerous design refinements that will cut air dras.

While these design refinements are usually slight - sometines only in innter of millimeters in a curve or width on the edge of a hood, a grill opening or a pillar-they can add up to as much as one aulle per pallon in fuel economy

## How To Stop Spiraling Premiums measser

Insurance premiums already through the rool and cllmbing?
Here are a few helpful hints on getting them back in line, from Detroit-based Automotive Intormation Councl!.
You may be eligible for a reduction in your premlum if you:

1. Share the ride. The further and more often you drive to work, the more you may be paying for insurance. Joining a car pool or parking your car in a corpniuter lot close to your home and taking public transportation could make a difference.
2. Have qually ytur young drivers. You may get a break if you have young drivers in your household who are lop sludents or who have corrpleted an approved driver eduction pleted an approved driver eduction
course or go to school more than 100 course of go to school more than 100
miles from home without using a vehicle.
3. Have all your cars thetured with one compary. A mulliple car discount often is available to pollcy holders who have more than one car insured with the same company.
4. Buy a differeal make or model al
car. High-performance, high-priced cars and sports cars generally are more expensive to insure. Labor and replacement parts, too, frequently cost more.
5. Drive salely. Sale driving habils reduce accidents and, when accidents and claim costs go down, they can affect the premlunis you pay.
6. Move. Chances of having an accident are greater in a large city accident are greater in a large city
than in a small town or rura) area. As than in a small town or ruraj area. As
a result, if you live in a city, you'll probably pay more.
7. Reduce your annual mileage. Some insurance companies consider the car's annual milleage as a rating factor. Higher annual mileage mesns a hipher premium. (The Nattonal Insurance Consumer Organization is proposing that auto Organization is proposing that auto
insurance rates in mosi states be insurance rates in most states be
dropped flve to ten percent because hiph gasoline prices already are causing people to drive less. NICO sald it could tind no state where rates have been changed to take into account current driving habits.)
8. Change the deductlble on the
callision portion of your palley. The thligher the deductible, the lower your premium rate. Deductibles of $\$ 100$ were common 10 jears ago when the average price of an uutomobile was about $\mathbf{8 , 7 0 0}$. Now that car prices and wages have doubled, a higher deductible may nake more sense. A $\$ 250$ clause is quite common today,
9. Drop collision coverage enilicely if your older-model car is worth only a few hundred dollars, because the insurance company will nol pay more for repairs than the car is worth.
10. Aita about eliminaliag duplicate Insurance coverage - car insurance and health-accident insurance that pay for the same things.
11. Shop around for the best price and coverage. When getting estimates, be sure all quotes are for the same coverage.
12. Stay with the company. Your longtime record will be considered when your rate is being examined after a claim. This can be more linportant over the long haul than constantly changing companies 10 achleve the lowest premiuns.

## Fluids

## Check Them Regularly

Your automoblle runs on fluids, many of which have to be repleced or repienlahed, but a quict poll by Automotive Information Councll shows that few motorists can name more than helf of them.
That indicates that many luids probably are neglected.
There are 11 fluids in all in a car with common opllons: Radiator coolant, engine oll, ballery water, alrconditioning freon, lubricating grease, gasoline or diesel fuel, and the flulds used in the tranamision, differential, brakes, power sleering and windinield washer.
There sleo is तuld in the shocks, but it generally is not replacesble.

CHDCLS THE MANUAL
AIC recommends that a car owner check the owner's
manual so determine when these fluid levels abould be checked and-or replaced.

Neglecting these fluids can result in severe damage. Some of the liems have filtera which should be cleaned or replaced at certain intervals. The owner's manual also will indicate the proper mileage intervals.

Two years ago AIC reported on a survey in which 100 cars wert checked it a melf-ervice station. Of the 100,56 were at leant a quart low on oll. 34 needed radiator coolant, 29 needed power steering fuld, 28 were low on brate fluld, and 77 needed bultery waler.
With more and more motorists pumping their own gacoline, AIC is ruggeating that they take a few minutea to check the fluid levels.

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## Repairing

Mechanical Wizard Doug Hichert understands the fear that prevents so many people from working on their cars. "Sure, today's automobiles are intimitaling," lichert indrnits, "but don't forget that there still are lots of simple jols you can easily learn to do yourself.
'Even if you've never laid a wrencho on a car before, you can safely get started by chanuing your own oil, tires and spark pluss, for example. All you need is a little courage, non owner's manual, a friend for backup advice, and a small investment in basic tools. The satisfaction, plus the turney you'll sove, is well worth the effort."
llichert should know what he's talking about: At 21, he is stock car racing's reigning crew chief.
After assuming the reins as chtef of the Osterlund Hacing Tean carly in the 1980 NASCAR Grand National stock car racing season, Richerl led his teammates to the Sears CralLsman National Pit Crew Clumpionship.

In midition, llichert and his crew backed driver Dale Earnhardt to five victories, 24 oul of 31 top-len finishes, and a record 5588,926 in winnings - culminaling in the prestikious Winston Cup national driving litle. All this Duppened in lichert's lirst lertu as crew chied ind in Farnharde's secomi full (iramd National campaign.
To win the \$25.mm) Serars Craltsman title, Richert and his young crew oulscormd all of NasCAR's veteran teands

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# Your Car Can Be A Snap 

with consistently fast pit stops in 10 major 1980 races.
"'Take an ambitlous program like ours, add extra time to repair crash damage, and we have to know the easiest fastest way to do a good job on our cars," Richert says. "Whether you work on your car only on weekends or work on it every day like we do, a properly equipped garage and a basic set of good tools are the secrets to success."

## BUY THE BEST

Hichert says a hydraulic floor Jack, a pair of jack stands, " "Creeper" and a drop light should anchor the equipment line-up tor any home garage. "Both the jack and stands should be top quality ... they're definitely the wrong items to save money on," he advises.
"Alter jacking the car, never ket under it without placing both stands at solid points under the frame.
"Once that's done, a creeper on rollers allows you to tie on your back and plide around under the car. And a drop light with plenty of cord will give you a good look at what you're dolng."
A dry-chentical fire extinguisher is another priority on Hichert's harage equipment list.
"A nine-pound-capacity bottle should handle the small flash fires that are most common around cars," he says. Although they don't help do the work, several more items are recommended by Ilthert to keep things neat. "A shallow drip parn is a hood investment. So is a bag of Ary absortsent. In fact, cal beix filler works jusi fine.
"Now, loget in the oil changing business, all you need is a filter wrench, cateh pin and filler spout for a total of about $\$ 5$.
"F'inally, plents of rans, some waterless thand cleaner and asel of coveralls should tuake it more likely you'll be allowed batck in the loouse," Jilcherl adds with a smile.


Slock ear racing's mational champion crew chief Doug Richert is sympathetic to the mispivings many people thave about working on their cars.

## NIASE's Efforts Rewarded

## Car Repairs Rated In Poll <br> And an overwheltaing 91 percent

Give or take smatifs ind buts, most of us are relatively content with the culiber al professional repair work we lave carried out on our automobiles these days.
This is the word from Bixiz-Allen and Hamilton, a leading research orkanization. And the company's findings are impressive.
In a three-year evaluation of the automotive repair industry commissioned by the National Hiphway Traffic Safety Administration, the firm reports fully 64 percent of the 2,434 consummers it queried in its survey give the service they've been getting top marks - an uncquivocal "10." Complete satisfaction.

And inore than 85 percent of these respondents rate the service eight or better. Only 8 percent rate it live or less.

## Save Fuel:

Want a neat way to cul those fuel bills even more?
Then why not consider hauling all your winter and summer "toys" those campers, boats and other recrealional vehicles you own - up to the cottage, or wherever you'll be using then, only once every season?
You'll be doing yourself two favors actually: Sitying the exiragas it takes to move them back and forth each weekend and tuaking the highways sulfer.
average of all consumers surveyed say they'll go back to the same shop next lime.

Halled as vindication
Considered the unst comprehensive survey ever conducted concerning aulo service, its lindinys, says the Automolive Intormation Council. "Should dispel past generalized crilicism" and "vindicate those engaged in this important industry which makes our freedonn of mobility the envy of the world."
AIC stresses that the most frequently mentioned posilive remarks were: Qualily of work, prolessional service, consistenlly reliable work, no trouble encountered.
reliable work, no troubie encountered.
"In recent years the entire industry has made comprehensive efforts to clevate service performance to its
: Make Just
The idea isn't a new one. Back in 1973, just after the energy crunch hit, the chairman of the board of the Michlgan Ouldoar Writers Association - the late "lonesome George' Pfeilfer - expounded on this upproach, encouraging outdcor enthuslasts to find a storage spot on or near the site where the vehicles would be used.
"Maybe they know a year-round resident who would let them park their unit on his place. Or they could rent $u$ - parking space on a private
current level," it points out.
"Ever; segment of the industry tas. $^{\text {s }}$ been involved in training prozratis, better and more instructional materials have been created and mechanics themselves take difficult lests to reach ertification by the National Institule for Automotive Service Excellence.
"These lonj-term efforts," AIC concludes, "obviously have paid off."

Some paradozes
Arnong the other findings:

- Despite the dealership stigma, consumers indicate they are more satisfied with facillties that have many certified mechanics - a bow lo the NIASE program,
- Young people tend to prefer mass merchandisers and specialty shops over the independents or dealerships.


## One Trip

campground," Pielffer suggested. AREAL ENERGY-SAVER
He also reasoned that members of Vacalion-country tourist counclls mighl make available parks and fairgrounds or little-used sections of local airports and notel parking lots - "and hire spectal deputy sheriffs to nuard them on a 24-hour basis, and the vehicle owner would pay a minimal fee for the deputy's pay."
"This would be much cheaper than hauling the various vehicles up when you want to use them."


Hy JUIIA W. PAgE Educational Coordinator Cra wford Auto-Aviation Museum
"Call Fred Crawford. He buys junk!"
Word got out 'way back in 1937 that a man in Cleveland actually wanted some of the old ears that were just lying around.
Yessir, it look Fred Crawford's Yankee instinct for saving everything to make the Crawlord Autio Aviation Museum of the Weshern Heserve Historical Society a reality.
And the people at the Crawford are vilally concerned with the preservation of these cars as working machines. Alter all, cars were made to $\mathbf{C o}$ )
As we all know, the con. stant day-in-day-out driving dune by must autonoblle uwners results in the wear,
breakage, and general deterioration of a car.
But what many people do not realize is that an autornobile goes through the same process-albeit at at greatly reduced rate-even when nat in motion. There is actually nothing that will prevent the eventual material breakdown of an object.

Crawfurd's Schedule
A number of sleps are taken by the museumi stalf to insure and increase the life expectancy of its automobiles through puinstaking malntenance on a regular basls.

1. The autornobiles rexularly are driven, or at least started and run long enough to thoroughly wartn all of the enkine lubricants and assure proper circulation. After the engine is
stopped, oll is squirted into
the engine cylinders to retard oxidation of the mietal, or rust.
2 Corrosion stabilizers are added to the cooling system. 3. The lubricants are changed trequently, somelimes after only a few. hundred miles of service.
2. When possible, the vehicles are dlsplayed on jackstands to prevent stress on the wheels and tires.
3. Silicon brake חuid is used in all of the hydraulic break systerns.
4. Gasoline is drained Irom the gas tanks, fuel lines, pumps and carburetors after the enkine is run, and corrosion Inhibitors are placed in the fueling systems.
5. Batteries are never stored in the vehicles. They stored in the vehicles. They
are kept on a rack with a "trickle" charger.
B. leeather, cloth, and
rubber parts are continually treated with preservatives. Painted suffaces are waxed. 9. When restored, wooden parts are treated with preservatives before linal assembly and painting. 10. Plated parts and brass 10. Plated parts and bras parts are kept polished.
as technology and preservation measures change, the routine is updated so that these fine old cars always receive the best of care.

Began With A Duryea Fred Crawford began his affair with the past by buying a 1910 Duryea from an indebled exhibitor at one of the Great lakes Expositions.
Only six years later, his Only six years later, his collection was ready for jts Chester Avenue and East 30th Street in downtown Cleveland.
In hls own words: "The auto album and aviation museum was established by Thompson Products, Inc. (now TRW) as a material (now TRW) as a material
record of the achievements record of the achievements
and progress of two vast and progress of two vast industries-the automotive and aircraft.
"Each in the span of a halr. century has caused sweeping changes in the world and patiern of uife. .
"The present is bullt on the past, and in any museum there is much to be leamed from the past. In the museum the visitor can gain a greater appreciation and understanding of the unremiting elfort and pioneering that have brought us the modern car and airplane.
"Cleveland is rich in many old and basic industries Steel, oil, paint, shipping. clothing, machine tools and


Crawford museum's foyer opens onto Cleveland's University Circle, home of many of the city's cultural institutions. Window displays change frequenily. On view are the famous Elgin road race trophy, a Miller engine, and the Thompson trophy from the Cleveland Air Races.
publishing-to name just a tew. It is entirely conceivable that the museum will someday become part of a much greater institution which, with the support of civic and industrial leaders, will preserve the record of Cleveland's contribution to our country's progress.

Focus On Ohlo
The devotion of those local people, the tragination of dedlcated museum administrators, and the leadershlp of a conscientious advisory commiltee realled Fred Crawford's dream. In

1963, the old Auto Album and Aviation Museum became a division of the Western Reserve Historical Society, Cleveland's oldeat cultural institution

The collection continued to grow; special emphasis was placed on the outstaming autonrobiles built right in Northeastern Ohio.

Today there are more than 50 cars, ranging in vintare from an 1805 Pantharil Ievassor to a 1976 Cadillac convertlble; assorted air. craft, nunuerous blcycles motorcycles, and carriages.


Spectal care and preservation problems occur when the car sports real leather, patent leather, wooden wheels, a broadcloth interior and solid brass flttings. Here are two of the Crawford's prize displays: A 1909 Simplex. left, guaranteed to do 90 mph the year it was built, and an electrically-powered. Iront-wheel-drive Krieger dating from 1906.Pbolos courtesy Crawford Auto-Aviation Museum.


How's this for a grand prize: a real. producing oll well. Or $\$ 50,000$ cash. That's what you can win when you enter Champion's "Win Your Very Own Oil Well" Sweepstakes.
Just pick up an otficial entry form with all the details from a participating Champlon retailer or request one by sending a sell-addressed, stamped envelope to: Champlon "Win Your Very Own Oill Well" Sweepstakes. P.O. Box 85, New York, NY 10046.
vold where prohibited and you must be 16 years or older to enter. No purchase necessary, of course. But we do hope our sweepstakes will remind you to get a gas-saving tune-up soon. Because a tune-up with tresh Champions can save, on the average, 1 to 2 gallons per tankful. And that's the best way we know to beat the high cost of driving - day after day.
Entries must be recelved by midnight. December 31, 1981.


## World's <br> No. 1 <br> Seller

Chamobon spare Pluo Campany lolecto OH 4 bed

## Roads Blamed For $\$ 6$ Million In Car Repairs <br> This winter's trip over the river and through the woods <br> cytems require maintenance alnost double the norm,

to grandmother'a house could provide a ride that'a fuat at rough as one in an old horsodrawn slelgh, according to The Road Information Program, a non-profit highway resarch agency.
More then hall of the nation's paved road network now suffers from aubatandard pavement condittons, TRJP saye.
That's more than one million miles of cracked and broken pavement over which Americans drive nearly 700 brokion miles a year.
bill
"Bouncing over rough and broken pavement wears out a Lot more than your nerves," Donald Knlght, TRJP's executive director, explained. "It drastically Increases wear and lear on your vehicle.

Hand hocke coetly
Driving over subatandard pavement boosts tire wear by as much 150 percent and ateering, brake and aumpension

TRIP data ahow.
"American drivera ahelled out more than \$ billion last year for needens vehlele repalra caused by rough road driving," Knight sald.
But vehicle repats is only half of the nation's bed roads problem.
"Driving over those poor ronds also boocts a veticle'a tuel consumption by as much as 56 percent at It loses traction and power now through its drive train in interrupted," Knlght pointed out.
More than 16 billion gallons of motor fuel, costing some $\$ 20$ billion at early 191 pricen, are wated anmully by the nullon's poor rond conditions.
"The total tab for waste stande at fis blllion annually when the fual wate and vehicle repalrs brought on by cubstandard roud conditions are comblned," he ex. plained.


## Do-lt-Yourselfers Are Happier With Their Tune-Up Work

One out of every three car dozen years that monitoring owners do their own tune- tune-up facts, 2,000 familied up work them days and, what's more, they're candidly happler with the results.
These key tindings - and dozens more the them - are contained in a consurner madntenance survey, one of the most comprehensive continuing anmal etudies of iune-upa th the Industry.

Each month during the
tune-up facts, 2,000 familiea
cross the U.S. have been aked if, where and when a tune-up took place and what they had tuned up. No family is queried offener than once a year.
Nearly a quarter of a million persons have responded to the questionnafre dince the survey was lanugurated.

Ble calas over $1 / 70$

The do-lt-yoursell trend has made big strides over the last decade.
Today, according to the surveys, fully 33.3 percent of the nation's motorints do some or all of thetr tune-up work themselves, as compared with 1970 when only 25.8 percent of the vehicle owners were doing their own work. What's more, not surprisingly, 88. 1 percent of these do-lt-yourself tune-upe

are rated excellent or good by the people who did the work.
By comparison, the clomest professional source garages and repatr shops gets 20.1 percent of the tuneup work these days, with these customers rating the work performed there 90.6 percent excellent or good. Following in order as places to go to get ture-ups these days are new car theqe days are new car
demlera and service itations,
with 19.5 and 16.2 percent of
the business respectlvely. spiralling rate of Inflation, The remaining category - twne-upe remath one of the other - has 49 percent. best bargatis availnble. Last As might be expected, the year, for ezample, the new car dealer gels most of average tuneup cont 857.92 the tune-up action on cara up not an appreciable lncreare to a year old ( 57.4 percent of over the moat recent years. the sampling); by com. "With the high coat of parison, at the other end of gasoline, a motoriat can get the scale, the blggest per- bact his Investment in a centage (42.6) of the cars 10 lune-up faster than ever yeari and older are tuned by these days," observed the owners thementres Churles A sch A atbe Ir sull e realbartan vice-prealdent of sales for The analysis indlcated the survey team. that, desple the evep.


## When the name is NAPA,

## the standard is quallith.



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# Checks <br> <br> Trend To Serve Self <br> <br> Trend To Serve Self Puts Onus On You 

 Puts Onus On You}

With so many Americans pese days, routine winter preventlve maintenance stands a good chance of getting short shrift, unless the motorist accepls that responsibllity.
"Although saving pennies at the self-serve pump, motorists may be pouring dollars into costly auto repairs by not following the proper maintenance procedures spelled out in their owner's manuals." warned Robert Tellier, emergency road service manager.
This situation is typical, and with these problems in mind, the American Automoblle Association has developed a simple 12 -point list of visual checks any motorist can trake. A little lime spent under the hood now can help insure troubleIree driving later when the cold weather arrives.

TRY THIS ROUTINE
With an addition or two along the way, here's the club's formula for checking out the car:

1. Check the motor oll level. It's a good idea now to install winter-weight oll. AAA surveys show oll is the most neglected of the dozen areas on its check list. One random survey showed 34 percent of the cars were low on oll.
2. Check brake fuld level. Pry off the clip and remove the cover on the master cylinder. The Iluid should be within a quarter-lnch of the top. If it needs topping up, use the brake fluld that's right for your car.
3. Top up the windabield wanher reservolr with colvent Use it fuld strength
winter.
4. Check the coolant level and antlifeete atrength. Newer cars have radiator over How lanks with marks indicating where the coolant Huid level should be. Make sure your antifreeze tests to below the coldest tem. perature you might en. counter.
5. Check the power steering Huld level. filling with the recommended fluid where necessary.
6. Jold the alr filter up to the IIght. If you can't see through it for dirt, replace it.
7. Check the automatic tranamision tluid with the englese runalig.
8. Check all belts and hoses. Press your thumb on the middle of each belt. If it gives more than a half-inch, tighten or replace ti. Also replace any belts that are obviously frayed or cracked. Hoses should be free of cracks, not squishy or britle. Totest them, squeeze them firmly alons their entire length.
9. Chert Ignition system. Clean the battery terminals with baking soda and water if there's acid buildup. Then, if your battery is the refillable type, check the water levels in the cells. adding water where necessary. Visually inspect the spark plugs and polnts for slgns of wear, cleaning or replacing them where necessary. Generally, It's a good idea to replace the condenser at the same tume. 10. Check Myhts, tura alganla and horm to make sure they wort. If they don't a spent tuse could be the culprit.
10. Check Ures for wear and brlag them up to

## Auto Greots

Members of the Society of Automolive Hibtorians have placed Henry Ford, General Motora Founder Wulliam C. Durant, and Walter P. Chrysler at the top of the lita of the world's greatest autornotive leaders.
Some 309 members, polled in the survey, eatablished this list of 30 names, in order of popularity:
Henry Ford, WIllam C. Durant, Walter P. Chryaler, Henry M. Leland, Ransom E. Olds, Alfred P. Sloan Jr, Charles F. Kettering, Charles E. and J. Frank Duryes, John and Horace Dodge, Charles W. Nach.
The naxt 10 are Fred and August Duesenberg, Harry Miller, Harley Eart, E.L. Cord, William F. Harrah, F. Henry Royce, Elwood G. Haynes, John North Willys, Carl Benr, Ferdinand Porache.
The final 10 are Bamey Oldfleld, Henry Ford II, Edsel Ford, George B. Selden, Alexander Winton, Ellore Bugalli. George Romney, Harvey Firestone, Jesse Vincent, and Gordon M. Buehrig.
recommended presisure. This goes for the spare, too. Buy your own gauge to make sure your readings are accurate. Worn treads or bald tires are particularly hazardous at this time of year: have them replaced. 12. Test the windshleld wipers. If they streak or chatter across the windshield, they could severely limit visibility during darkness or in raln.



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## Get Tuned

## A Little TLC Can Spare Grief

Chestnuts roasting on an open fire,
Jack Frost nipping at your nose
Welcome to Winter 1901. A winter the average car on American roads is III. prepared for.
$A$ winter when the inajority of cars have gotten a year older-and many of them in the worat shape ever.
A winter that flinds thousands upon thousands of motor vehicles untuned and unready for the challenge of freezing temperatures.
Surverya show that more than hall the calls for emergency road service will occur between December and March.

And fully 85 percent of the cats that fail to start that tirst crisp subzero moming will be sulfering from vehicle neglect-not vehicle fallure.
The tragedy is that moat of this unhappiness is avoldable.
"The majority of can'tstart situations can be prevented with proper preventive maintenance," insists Chris Carr, director of emergency road service for the American Automobile Assoctation in Washington.
But lately, due largely to the ught economy, millions of motorists have been skimping on basic maintenance and, without the
necessary lune-ups, nostarts have rockeled. In Michigan alone, weak batteriea and poorly-tuned engines will account for 80 percent of this winter's more than one million emergency road service calls, according to the state's automoblle club.
THE REAL PROBLEM
The battery, however, most often is the victim rather than the culprit.
"The output of the ballery is reduced in cold weather and-very simply-it gets ground down in putile starting altempts. Replacing or recharging it is, at best, a stopgap measure.
" A weak battery usually is symptomatic of deeper lilis-

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## gnition system

In a study of more 10,000 vehicles nationwide 24 percent of the cars tha recelved new balleries experlenced conlinued tarting trouble while 35 percent of those that were merely charged still had starting fallures.
By the same token, only Is percent of the cars thal had lune-ups experienced ad. ditional starting woes and Just 16 percent of those in which new spark plugs alone were installed had repeated problems.
WHY PLUGS ARE VITAL A close examinallon of just how a car starts points up the importance of spark plugs in the vehicle starting cycle. Under all operating conditions, voltage avallable from the ignition system must exceed voltage required by the spark plugs to cause the engine to lire. Defective componentr, wear or Improper adjustment of the Ignition system ad. versely affects lis ebillty to deliver satisfactory voltage.

We remain convinced that one of the maln un deriying causes of startion

CAR'S BATTERY POWER DROPS with MERCURY

fallure stems from motorists the real source of their being misinformed and trouble-an uxdermainta. consequently neglecting to ined englne."
have thelr cars properly maintained.
weather starts, a tune-up only way to reduce pays big dividends in the rate of staring falure is reduced emissions and to make motorists aware of economical motoring.


When It happens. If heppens suddenly And, you're in blg ircuble.
Your engine averheats, and you roll to
a stop in a cloud of sham.
That's why you thould have your service station of earaed mechenle check your belts end hoees this wiek. Or
chack them yourself. A pood rule of thumb lis to check them at lemat twice a year.
If a balt or hose is mearing out, replice it. It only takes a fom minutes. And-It could provent engine damage, expenslve repairs and hours of arief.

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## Taking Short Trip? Change Oil Every 3,000 Miles

If your customary cold- completely. weather driving pattern is 5. Wipe the drain phug four milim or lees each trip- clean and check to cee if it perhaps only the daily has egacket. If the phy his dirtence to the abop or of- a gasket, the gasket must be theo-that winter-weight ofl kept in use to avoid an of the car in ming chould be leak. However, to be elchanged every 3,000 miles fective, the gasket mus be in throughout the winter good condition. If it len't
season. 1. Warm up the engine so that the full load of dirty oll will drain from the pan.
2. Luft the tront of the car or leave all four wheels on the ground. If you lift the vehlele, support It weight on vehcle, support it weight on
afety stands. Do not work safety stands. Do not work
beneath a car that is gupported only by a jack. Engege the parking brake; place an automatic tran smisaion in parte and n manual tranamission in gear. If you ralse the front of the car, place chocks behlnd the rear Ures to prevent rollback.
3. Place a drain pan (slxquart capacity) under the drain plug and loosen the plug with an adjustable, boz, open-end or socket wrench. Whichever you use, mate sure it fits the plug snugly. 4. Remove the loosened plug by hand. To avotd buming your fingers, be ready to draw your hand back quickly as oll begins lowing. Allow oil to drain

## Tires Need

 More AirTwo leading tire industry spokermen-Tire Industry Safety Councli and Car Care Councl-have lamed their traditional annual fall warning about checking air premare in the tres and booating it back to mormal for the boa-chllling montha ahead
"Motorets hould check tire laflation more trequently now becaure cold meather reducen the air preanes," eay Malcolm R. Lovell, Jr.
Tirm which already may have been a tow pounds below proper precaure loward the end of enmmer conld eacily become dint to Len pound undertrifited on a frader day, Car Care Courcil points out. Councll points out.
And bila can cul tire Mfe by about 8 percent, CCC says. Coatrary to popular oplalon uaderinfinted tres don't provida better traction an alict antices. Instead. underifition allows the the underifationallows the tis cendve hat buildup which can lead to tire fallure.

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