Approved .	May 23.	1984
прриотом.	Date	/

MINUTES OF THESENATE COMMITTEE ON	FEDERAL AND STATE AFFAIRS
The meeting was called to order by	Senator Edward F. Reilly, Jr. at Chairperson
11:20 a.mxpxx on April 25	, $19_{\underline{84}}$ in room $\underline{254-E}$ of the Capitol.
All members were present except:	
Senator Francisco was excused.	
Committee staff present:	

Fred Carman, Assistant Revisor of Statutes Russell Mills, Legislative Research Emalene Correll, Legislative Research June Windscheffel, Secretary to the Committee

Conferees appearing before the committee:

Terry Harmon, Kansas State Historical Society, Lawrence, Kansas

The Chairman called the Committee's attention to the Minutes of the Meetings of January 25, February 9, 29, March 13, 14, 19 and April 3, 1984. Senator Pomeroy moved that the Minutes be approved. 2d by Senator Morris. Motion carried.

Senator Pomeroy told the Committee about the Bingo games being held on the Reservations in the Southwestern Part of the United States. Some prizes for these games range up to \$300,000. (Attachment #1.)

Substitute for HB2391 - relating to preservation and destruction of certain public records.

The Chairman distributed copies of a balloon version for Substitute for HB2391 which had been prepared by staff. Terry Harmon was asked if this were acceptable to the Kansas State Historical Society. Mr. Harmon also answered other questions from the Committee. Senator Pomeroy moved that the bill be amended as shown on the balloon version. 2d by Senator Meyers. Motion carried. Mr. Carman said that there were three places where "counties" should be inserted in the bill. Senator Pomeroy moved to add "counties" on page 2. 2d by Senator Parrish. Motion carried. Senator Morris moved the bill as amended be recommended favorably. 2d by Senator Gannon. Motion carried.

Conference Committee Report dealing with raising the age for 3.2 beer consumption.

The Chairman turned the Committee's attention to this morning's meeting at 8:00 a.m. and the material that was presented. He mentioned he had added testimony of James S. Hamilton of Lincoln, Nebraska, of the Nebraska Council on Alcoholic and Drug Education, to the file. (Mr. Hamilton's remarks are already shown as attachments and part of the Minutes of the Meeting of 8:00 a.m., April 25, 1984.)

The Chairman distributed copies of Legislative Resolution 258, from the State of Nebraska, as part of these Minutes. It states that it is vital that Nebraska and its adjoining states have a uniform minimum purchasing age for alcohol. (Attachment #2)

The Chairman distributed copies of the letter to Senator Ross Doyen, along with the Committee Report of the Senate Committee on Federal and State Affairs raising the legal drinking age for 3.2 beer. The Minority Report is also attached. The Chairman complimented Russell Mills on his fine work in putting these together, and also thanked Fred Carman Emalene Correll for their work. (Attachment #3)

Senator Morris asked what is the charge of this Committee at this point. The Chairman stated that he understood from the Leadership that action would be postponed by the Senate on the confirmation of the Senate Committee Report until April 26, 1984, at a time to be decided upon by the Leadership.

#### CONTINUATION SHEET

MINUTES OF THE SENATE COMMITTEE ON FEDERAL AND STATE AFFAIRS

room 254-E, Statehouse, at 11:20 a.m./pxxxx on April 25 , 1984.

That would permit this Committee to have an open hearing to hear whatever facts were available, and then for the Committee to direct the Chairman to deliver the Committee's charge or recommendation. The Chairman also said that he believed the Leadership has honored the majority action and will honor the Committee's action and that the Committee will make a recommendation to the full Senate or put it in the vote on the Conference Committee Report.

Senator Gannon made the conceptual motion that the age not be increased but that much work be done in the area of education. The motion failed for lack of a second.

Senator Morris made a conceptual motion stating that following a 2-hour hearing on April 25, a majority of the Senate Committee on Federal and State Affairs believed raising the age for cereal malt beverages to age 19 in Kansas should be adopted, with further emphasis on the enforcement and education.

Senator Roitz made the substitute motion to recommend to the full Legislature that the drinking age remain at 18 and that the issue be sent to an interim study. 2d by Senator Winter.

The Chairman elaborated that the motion is that the drinking age not be raised at the time being and the recommendation of the Governor's Committee on Drinking and Driving and an interim study or a task force or the Legislature study the matter and try to attack it on a comprehensive basis. Also, that the Committee closely examine the European methods on the last page (Page 10) of the tabloid. (Attachment #4)

On a vote of 6 to 4 the motion was adopted.

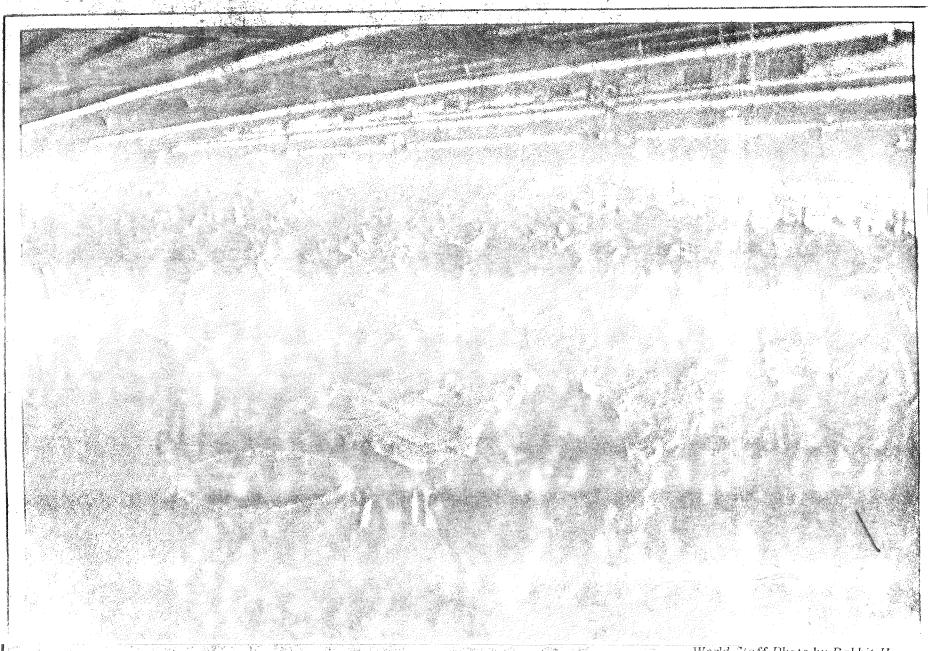
The Chairman expressed his appreciation to Committee and Staff for their willingness and patience to work during the noon hour.

The meeting adjourned at 1:00 p.m.

79th Year-No. 205

Final Home Edition

Tulsa, Oklahoma, Sunday, April 8, 1984



World Staff Photo by Rabbit Hare

The 5,000 seat Noble County facility at Red Rock was sold out Saturday.

# 108 (1175

### World's Largest Bingo Hall Opens

By OM CAR BA

Jack After 10 to the of planning the work of margest bings but opened here sat-are by fire four hours of the artion, there was talk of the lug its doors.

At the there that opened invertely, and just for the day.

for the day.

The 3.0 Legat Noble county ball was sold out before the first day's play was one third past, said Steve Blad, ceneral manager of Otoc Missouri Bingo. "We don't want to oversell on the first day," Blad told security personnel: "Let's cut off (admission) at around 5,100."

The 50,000-square-foot facility created 307 jobs. It created the rent of over 2,200 jotel rooms in seven northeastern Oklahoma cities. And Saturday it created a gatthler's suspenseful.

And Saturday it created a gambler's suspenseful competition like none between here and Ne-

vada.
There were 131 chartered buses from 35 is overflowing two parking lots. An hour fore be official opening, players stood in line in the rain to sit inside. There, they tried to the rain to sit inside. There, they tried to be a different stooms.

the first day's play was the sand 45 and 45 and 45 and 45 are the distance.

Tiese copie have come for a state to set here," Blad aid. They're state to ave the results for anything."

More didn't.

Restrooms were packed only during recess.

Most of the time, however, was near nonstop play during which contestants sat spells bound in concentration, watching their playing cards and 36 television monitors attached to 15,000 feet of camera cable.

May would not abandon their playing space

15,000 feet of camera cable.

Many would not abandon their playing space even to eat, for fear of sitting out only one game: the game that might pay.

"I can eat at home," said one player. "I came here to play bingo."

Saturday, they played for cash totaling \$300,000, including a grand prize of \$100,000.

They played for trips to Hawaii and London, they played for a Lincoln Tone Car. They therefore played for keeps.

Most kept only the hope of hilling assi time, when the minimum entry for would egain be \$69.

We have a second of the second

Three reporters were stationed at the winner's table, where winners were hesitant to be interviewed. Each said he wanted to get back to his cards, back to the bingo. Several investors in the hall were on hand Saturday for the premier. Blad and members of his staff indicated they would spend the night in the facility, equipped with sounds and kitchens for staff lodging.

Until 15 months ago, Blad himself had never dutted a bingo of d.

"I'm a man higher of that who used to make malived all poor's faut who used to make malived all poor's the aid. The not a bingo places?"

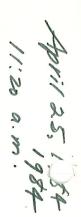
Atch. 1

eplace current statutes authorizing or restricting the disposition of government records by local agencies.

- (c) Any board of county commissioners may order disposi-0086 tion of any noncurrent county government records after min-0087 imum retention periods set forth in the schedules prepared 0088 pursuant to subsection (d) of K.S.A. 45-406 and amendments 0089 thereto. Any board of county commissioners may petition the 0090 state records board for amendments to the schedules, for au-0091 thority to depart from specific provisions of the schedules or for 0092 authority to implement schedules applicable to only a single 0093 county.
- 0094 (d) Any county government records for which permanent 0095 retention is set forth in the schedules shall be offered to the state 0096 historical society before such records may be destroyed.
- (e) (e) Pass upon recommendations by the state archivist for transfer to the state archives of any noncurrent government records with enduring value which are held by a state agency opposing such a transfer. When the state archivist makes such a recommendation, the state agency opposing the transfer shall defend before the board its reasons for wanting to retain the records in its custody, and the board shall determine whether the transfer shall occur.
- (d) (f) Approve or modify recommended microphotographic standards prepared by the state archivist and pass upon requests for authority to dispose of original government records of state agencies following reproduction on film, as provided in K.S.A. 0109 45-412 and amendments thereto.
- Sec. 3. K.S.A. 45-405 is hereby amended to read as follows: 0111 45-405. (a) The state historical society shall serve as the official 0112 state archives and shall assist state and local agencies in the 0113 preservation of government records with enduring value.
- 0114 (b) Any state or local agency may transfer to the state archives 0115 any noncurrent government records accepted by the state archi-0116 vist and all state agencies shall transfer to the state archives any 0117 noncurrent government records when directed to do so by the 0118 state records board. With the approval of the state archivist,

ZB 2391

(d) With the approval of the state archivist, the board of county commissioners of any county may transfer any noncurrent county government records to the custody of the state historical society. The board of county commissioners of any county may transfer any noncurrent county government records which have been determined by the state archivist to be records which are not required by law to be confidential or restricted and which are not restricted under authority of K.S.A. 45-407 and amendments thereto to the custody of a county historical society, a genealogical society, a public library, a college or university library or another local or regional repository in Kansas determined by the state archivist to be suitable and which will accept such records, except that under authority of this sentence no records relating to the mental or physical health of any person shall be so transferred.



April 25, 1984 11:20 a.m. Attachment #2

### LEGISLATIVE RESOLUTION 258

Introduced by Hannibal, 4; Landis, 46; H. Peterson, 35; Nichol, 48; Wesely, 26; Morehead, 30; Pappas, 42; DeCamp, 40; R. Peterson, 21

WHEREAS, drunk driving is a major cause of traffic deaths and injuries in the United States; and

WHEREAS, in 1982 the Presidential Commission on Drunk Driving recommended a uniform minimum age of 21 for purchasing alcohol in every state as one means of reducing drunk driving; and

WHEREAS, on February 7, 1984, the Eighty-eighth Legislature of Nebraska, Second Session, 1984, passed LB 56, raising Nebraska's minimum alcohol purchasing age to twenty-one, operative January 1, 1985; and

WHEREAS, the Public Policy Office of the National Council on Alcoholism has published statistics showing that a nonuniform minimum alcohol purchasing age among adjoining states increases alcohol-related traffic deaths and accidents due to young people driving to adjoining states to legally purchase alcohol; and

WHEREAS, the states of Iowa, Kansas, Colorado, South Dakota, and Wyoming allow persons younger than twenty-one years of age to purchase some form of alcoholic beverage;

WHEREAS, lack of a uniform alcohol purchasing

Atch. 2

age of twenty-one among Nebraska and its adjoining states will lead to increased alcohol-related traffic deaths and accidents in Nebraska and its adjoining states; and

WHEREAS, lack of a uniform alcohol purchasing age of twenty-one among Nebraska and its adjoining states will lead to increased law enforcement costs in Nebraska and its adjoining states to avoid such increased traffic deaths and accidents.

NOW, THEREFORE, BE IT RESOLVED BY THE MEMBERS OF THE EIGHTY-EIGHTH LEGISLATURE OF NEBRASKA, SECOND SESSION:

- 1. That it is vital that Nebraska and its adjoining states have a uniform minimum purchasing age for alcohol.
- 2. That the Legislature of Nebraska urges the states of Iowa, Kansas, Colorado, South Dakota, and Wyoming to increase the minimum purchasing age for alcohol to twenty-one years of age.
- 3. That a copy of this resolution be sent to the Legislatures of Iowa, Kansas, Colorado, South Dakota, and Wyoming.

#### COMMITTEE REPORT

TO: Senator Ross Doyen, President of the Senate

FROM: Senate Committee on Federal and State Affairs

RE: Raising the Legal Drinking Age for 3.2 Beer

The Senate Committee on Federal and State Affairs held a two-hour public hearing on this date on the issue of raising the legal age for consumption of 3.2 beer in Kansas from 18 to 19. About 15 conferees appeared at the hearing and over 100 interested citizens observed the meeting. After reviewing the testimony and all the materials presented by conferees and staff, the Committee makes the following observations:

- 1. The issue of raising the legal drinking age is exceedingly complex, with ramifications which may be far-reaching and which are not readily discernible.
- 2. Testimony appears not to be conclusive as to the effectiveness of raising the drinking age on alcohol-related automobile injuries and fatalities among the 18 and 19 year old age group.
- 3. Widely varying views are held by proponents and opponents as to the efficacy, wisdom, and effects of raising the drinking age.
- 4. Conflicting and contradictory statements, reports, and statistics seem to characterize much of the testimony presented by both sides. One member termed the issue a "complex morass."
- The problem of drunk driving is a much broader issue, of which the legal drinking age is only one component. There are other methods which could be used to attack the problem of drunk driving, including expanded educational programs, enhanced law enforcement, mandatory driver's license suspension, or even raising the minimum age for issuance of drivers' licenses.

Atch. 3

As a result of its study of this issue and review of the recommendations of the Kansas Governor's Committee on Drinking and Driving, the Committee submits the following recommendations:

- 1. The 1984 Legislature should take no action to raise the legal drinking age for consumption of 3.2 beer. (The conference committee report on H.B. 2504 should not be adopted.)
- 2. An interim study should be authorized during the 1984 interim to examine, on a comprehensive basis, the broad issue of driving while intoxicated and develop methods to alleviate the problem of drunk driving. The interim committee study should evaluate all of the issues which impact upon the problem of drunk driving, including the legal age for consumption, education efforts, public awareness, law enforcement problems, adjudication procedures, driver's license suspension or revocation, and the experiences of other states and other countries including the fact that some other countries have lower drinking ages and much more severe penalties for driving while intoxicated. The interim study should attempt to review and evaluate the conflicting reports and statistics being used by the opposing sides on the issue of age in order that the 1985 Legislature will have accurate data and firm knowledge upon which to base an informed decision.

The Kansas Governor's Committee on Drinking and Driving in 1982 encouraged the establishment of a special legislative committee or blue ribbon committee to investigate the data relative to the issue of raising the legal drinking age and consider the ramifications of instituting such a change in Kansas. Your Senate Committee echoes these recommendations and urges that an interim committee be authorized to conduct a comprehensive study of the drunk driving issue, including the question of raising the legal drinking age.

#### MINORITY REPORT

April 25, 1984

TO: Senator Ross Doyen, President of the Senate

FROM: Senator Norma Daniels, Senator Bill Morris,

Senator Ben Vidricksen

We do not concur with the recommendations of the Senate Committee on Federal and State Affairs concerning the issue of the legal drinking age for 3.2 beer in Kansas. That recommendation was adopted on a vote of 6-4. The Committee's recommendation that the issue be referred to interim study is not an appropriate response to the problem of alcohol-related traffic accidents among youth. The Legislature should take action to raise the legal drinking age for 3.2 beer from 18 to 19. The conference committee report on H.B. 2504 should be adopted. However, we feel that raising the legal age is only one response to this issue. Broad efforts, including educational programs and increased law enforcement, will be needed to combat the problem of drinking drivers.

he next-d tate. He still e revocs the license s, and c face jail if and convicted again in

of the drunken driving oth states are the same. whose blood tests show a ohol level of .10 can be d to be intoxicated.

alcohol levels are d by percent by weight of the blood and based on per of grams of alcohol 100 cubic centimeters of

y, blood alcohol levels of cannot be presumptive of ion, but they can be d with other evidence in ng whether the person in s under the influence of an ng beverage.

continuing attack on the Illinois enacted a new consent" law, effective consent" law, effective this year. It assumes that, ng to accept an Illinois icense, the motorist will a demand by police to a est by breath tester, or to a mple or urinalysis in a A breath test involves two taken not less than 15 part by an authorized and perator)

to submit to such tests is ground for suspension ring in the state for six

at provision, enforcement ope to remove increasing of drunk drivers from the

is, the maximum sentence rst drunk-while-driving can be one year in jail or r license suspension. That linked to a maximum fine onviction of \$1,000.

ther front, seven county ocieties in Wisconsin are proposal making it illegal to drive with even a trace in their bloodstream.

ger Von Heimburg a member of the State Society's board of s, said societies in e. Brown, Eau Claire, Pepin, Langlade and c counties will propose a d alcohol content law for

national level, President has appointed a national on to study the problem. cretary of State Jim Edgar nber of that commission. is presently considering a ized national drivers' o repeat offenders can't fer penalties by moving to

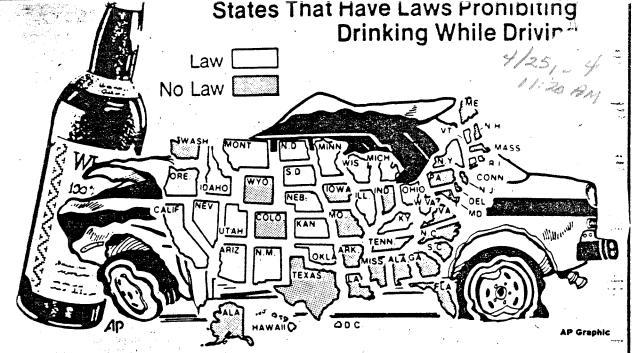
deral legislation would irst offenders to do 80 community service and ond offenders spend 10

11. o long, drunk driving has ally acceptable and even as part of our American image," said Sen.

e Pell, D-R.I., sponsor of Pell has lost two members n staff in drunken driving

hile, two members of the troduced legislation in acourage states to develop anti-drunken

ensive anti-drunken ograms. asure by James Howard, hairman of the House orks and Transportation e, and Michael Barnes, Dild set up an incentive using existing funds from al highway trust fund, to states to take effective mbating drunken driving.



The shaded states above have no law against drinking and driving. Believe it or not, that means that in those states you could drive down the highway with a martini in your hand. In reality, particularly in the Southern states, it's more likely to be a beer.

## **World law** is variable

The whole world hasn't been able to agree on how to deal with drunken driving

ogree on how to, deal with drunken driving — except perhaps, for the Moslem nations. Since consuming any amount of alcohol is against the teners of their religion, Moslems don't have laws about it except, as the Egyptian consulate in Chicago pointed out, to deal with foreigners and tourists. Liquor isn't even for sale in Islamic nations, except in special shops tradition and with visitors. in special shops trading only with visitors from abroad.

Perhaps the toughest laws in a European are those of Norway. There, half ount considered legally intoxicated in Illinois is considered drunkenness (.05, or in illinois is considered drunkenness (.05, or about two beers for a person of average height and weight). If you are arrested for drunken driving, there is a minimum of 21 days in joil — the judge isn't allowed to give anything less.

The drunk Norweglan also loses his license for at least a year, and sometimes forever. And his insurance is void. In other words if he's la accordinate in the latest and the l

forever. And his insurance is void. In other words, if he's in an accident involving drinking, his insurance will pay for damage to the other guy, but not to him, either for damages or hospitalization. And if he is killed, his life insurance is not paid. Additionally, the insurance company can sue him for repayment of any costs paid to injured parties. Injured parties.

Norway also uses random roadblocks there all drivers are checked for alcohol. where all drivers are checked for diconoi. Breathalyzer, blood and urine tests are mandatory (there is no right to say no). Here's a sampling of some of the ways other nations deal with drunken driving:

Canada — Penalties and drinking ages to the crowings and drinking ages.

vary by provinces, much like from state-to-state in the United States, with about the

state in the United States, with about the same range of severity.

Mexico — Drinking at 21; fines, jail and loss of license for DWI.

Great Britain — Drinking at 18; DWI penaity varies with severity of offense; mandatory loss of license for a year.

Czechoslovakla — Any level of alcohol in the blood is considered proof of drunken driving. If you had one beer, you're drunk as far as cars are concerned.

Denmark — Any age can buy and drink (but 18 to do so in restaurants). Fine, jail for DWI; one year license loss for first offense, five years for second, lifetime for a third. Also voids insurance.

Sweden — Fines scaled to your annual

- Fines scaled to your annual income; the more you earn, the more you pay. One month minimum joll sentence, it is estimated that 40 percent of all Swedish jail terms are for drunken driving. Also voids insurance. Japan — Drinking at 20; six-month to one

Japan — Drinking at 20; six-month to one-year prison terms, fines.

Belgium — No age limit in restaurants, no ser law. If patron leaves tavern drunk, bar owner is liable for what happens. Jail possible, loss of license up to a year.

France — No legal drinking age, though some places forbid children in bars. DWI means license lost for year, 3 years if second offense. If injury, up to 2 years in jail. If death, up to 4 years in jail.

West Germany — Driver's license suspended for three months.

Here is a breakdown of state laws governing drinking and driving as provided by The Associated Press. The categories of information are:

AGE — The legal drinking age.

LAW — Does state law prohibit drinking while driving?

SOBER — Maximum license suspension for refusing a blood-alcohol test.

JAIL — Maximum sentence for first-time drunken driving conviction.

LICENSE — Maximum license suspension for first offenders.

FINE — Maximum fine for first-offenders.

NP — Where cited, state law does not provide for a jail term, license suspension or fine.

A hyphen (-) followed by a numeral refers you to footnote at bottom of table. A hyphen (-) followed by a numeral refers you to footnote at bottom of table.

	Age	Law	Sober	Jall	License	Fine
Alabama	19	N		1 yr	ó mo	1,000
Alaska	19	N		1 yr	. 30 dy	1,000
Arizona	19	Y	ó mo	24 hr	1 yr	250
Arkansas	21	N	6 mo	1 yr	1 yr	1,000
California	21	Y	3 mo	ó mo-1	90 dy	500
Colorado	21-2	• N	3 mo	1 yr	1 yr	1,000 .
Connecticut	19-8	Y	90 dy	6 mo	1 yr	1,000
Delaware	20	N	1 yr	6 mo	6 mo	1.000
District of Columbia	18	Y	6 mo	6 mo	ó mo	500
Florida	19	N	3 mo	NP-5	6 mo-8	250-7
Georgia	19	N	6 mo-9	NP	1 yr	1.000
Hawali	18	Y	ó mo	1 yr	Ň	1,000
ldaho	18	N	90 dy	6 mo	90 dy	300
Illinois	21	Ÿ	6 mo	1 yr	1 yr	1,000
Indiana	21	Ň		1 yr-3	2 yr	5,000
lowa	19	N	. , .	1 yr-1	90 dy .	300
Kansas	21	Ÿ	1 yr	1 yr	1 yr	500
Kentucky	21	Ý	ó mo	NP	ó mo	500
Louisiana	18	Ņ	ó mo	omo	ó mo	400
Maine	20	N	6 ma	NP-4	ómo	500
Maryland	21-2	N	60 dy	1 yr	1 yr	1.000
Massachusetts	20	N		2 yr		1,000
	21	Ÿ			1 yr	500
Michigan	19	Ý	6 mo	90 dy	1 yr	500
	21			90 dy		
Mississippi		N	90 dy	NP	1 yr	200
Missouri	21	N	1 yr	6 mo	1yr	500
Montana	. 19	Y	60 dy	24 hr	ó mo	500
Nebrosko	20	Y		7 dy	60 dy	200-8
Nevada	21	· Y	1 yr		1 yr	1,000
New Hampshire	20	N	,60 dy	NP	2 yr	1,000
New Jersey	19			NP-5	ó mo	250
New Mexico	21	Y	1 yr	90 dy	1 yr	500
New York	18-10	Y	o mo	1 yr	6 mo	350-7
North Carolina	21-2	N	6 mo	6 ma	1 yr	500
North Dakota	21	Y	ó mo	30 dy	28 dy	500-6
Ohio	21-2	Y	ó ma	6 mo-1	3 yr	1,000
Oklahoma	21-2	Y	6 mo	1 yr-1	1 yr	500
Oregon	21	Y	120 dy	1 yr	1 yr	2,500
Pennsylvania	21	Y	6 mo	1 yr	ó mo	2,500
Rhode Island	20	Y	30 dy-9	1 wk	1 yr	500
South Carolina	21-2	Ň	6 ma	30 dy	√ 6 mo	100
South Dakota	21-2	Ϋ́			1 yr	1,000
Tennessee		Ņ			6 mo	50.
Texas	19	N		1 yr		500
Urah	21	·Ϋ́Υ		2 yr 6 mo	1yr	299
Vermont	18	Ý			1 yr	500
Virginia	21-2	Ń		1 yr NP	1 yr	500.5
Washington	21	N			, 6 mo NP	500
West Virginia	18	Y		1 yr-1		
Wisconsin	18	. Y	1 yr	1 yr	6 mo	500,
				NP	ó mo	300
Wyoming	19	N	on ga	8-om ò	90 dy	750
Special notations:						mate.

-1 — Minimum joil terms of 24 hours to 10 days
-2 — 3.2 beer and sometimes wine at 18. In Virginia, 19. In Maryland, the age is gradually being raised to 21 for all drinks over three years.

-3 — Probation

4 — Civil offense penalties. Maine automatically treats cases in which blood-akohol is above 0:20 as a criminal offense. Same for cases involving repeaters, drivers who try to elude police or drive more than 30 mph over the speed limit, Criminal penalties are at least 2 days and up to 364 days in jail, up to \$500 fine and one year suspension.

5 — Plus 30 days community service in New Jersey, 50 days in Florida.

6 — Minimum 3 days in jail or \$100 fine.

Minimum fine.

- New laws effective June 1 in Wyoming, July 1 in Connecticut and Florida; July 14 in Nebraska, where offenders face either seven days in jail and a \$200 fine or an unspecified probation term and a 60-day license suspension.

—9 — Plus fines and, in Nebraska and Vermonth, jail.

10 — New York state late last month passed a law that will raise the age to 19.

Atch. 4 nois: M century