

1981

DRIVING WHILE INTOXICATED ENFORCEMENT

grant
evaluation

ST. LOUIS COUNTY POLICE DEPARTMENT

Box # 1219
D7J1
82731

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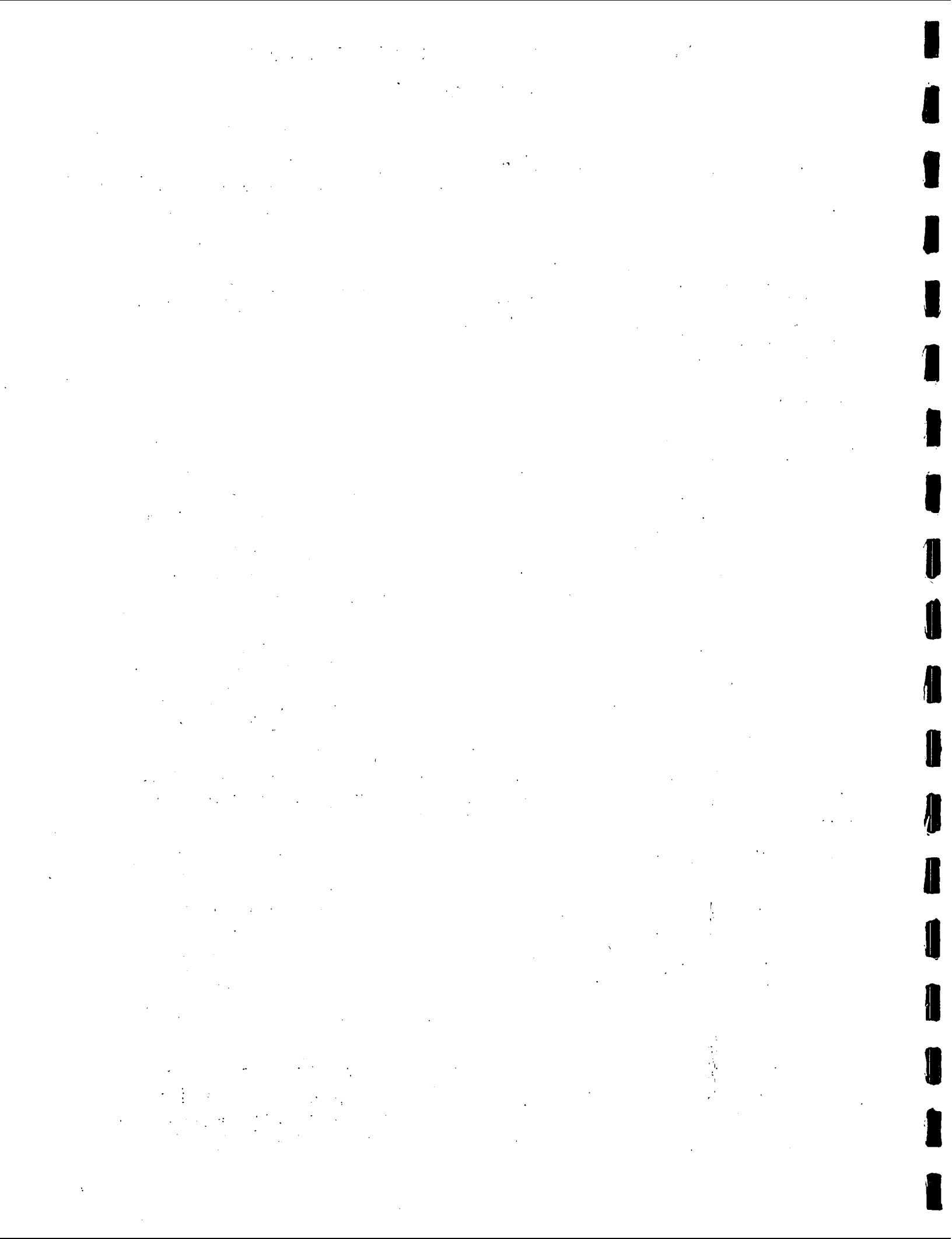
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DRIVING WHILE INTOXICATED ENFORCEMENT GRANT PROGRAM

4TH YEAR GRANT EVALUATION

The following report is an analysis of the Driving While Intoxicated Enforcement Program (DWI) for the fourth grant period from December 1980 through September 1981.

Introduction

In December 1977 the St. Louis County Police Department embarked on a new approach for removing intoxicated drivers from the road. This approach was a special emphasis program deploying off-duty officers on an overtime basis to patrol nightly during late evening and early morning hours in areas with a high incidence of alcohol-related automobile accidents. This effort was funded by the Missouri Department of Public Safety, and administered through the Division of Highway Safety, Jefferson City, Missouri.

Evaluations have been published annually at the conclusion of each grant period. These past evaluations have covered the following dates:¹

- a) First Evaluation - Published September 1978 compared pre-program activities from December 1976 through September 1977, with the first grant period from December 1977 through September 1978.
- b) Second Evaluation - Published September 1979 compared the above findings with the second grant period from December 1978 through September 1979.
- c) Third Evaluation - Published December 1980 compared the above findings with the third grant period from December 1979 through September 1980.
- d) Fourth Evaluation - This present evaluation, compares the above findings with the fourth grant period from December 1980 through September 30, 1981.

The goal of the Program throughout the grant periods has been to reduce alcohol-related auto accidents which result in the costly loss of lives and property. This goal has been further defined as follows:

- a) To continue the increased detection of individuals driving while intoxicated.
- b) To reduce the number of alcohol-related accidents in the three categories of:
 - 1) Property damage
 - 2) Injuries
 - 3) Fatalities

¹ Throughout this evaluation, these grant periods will be referred to without the dates. Each grant covered a ten-month period beginning on December 1st of one calendar year and ending September 30th of the following year.

Summary of Findings

With the exception of reducing the number of alcohol-related accidents, the DWI Program met the objectives as set out in the introduction:

- Officers working in this year's Program increased apprehensions of DWI suspects by 3.7% for a total of 1,114 Program-related arrests.
 1. These additional apprehensions were accomplished using less total hours than past grant periods.
 2. Officers participating in this year's Program had a higher activity level, i.e., moving citations, DWI car checks, and non-DWI arrests than previous year participants.
- Unincorporated St. Louis County experienced a 4.8% decrease in automobile accidents for all causes during this grant period compared to the 1979 - 1980 grant period.
- Total alcohol-related accidents increased 4.7% this grant period compared to last. However, the increase occurred principally in the category of property damage accidents.
 1. Alcohol-related accidents with property damage increased from 271 to 296 or 9.2%.
 2. Alcohol-related accidents with injuries decreased from 175 to 171 or 2.3%.
 3. Alcohol-related accidents with fatalities remained the same with five per grant period.
- Program participants decreased the processing time for arrests by 13.0% during this grant period although process time continued to include transporting suspects from the arrest site to the County Intake Center in Clayton, Missouri.

Program Operation

The Program was administered by a Project Director who deployed commissioned officers to apprehend intoxicated drivers. The Project Director, Sergeant Donald A. Hasseldiek, served in this position since December 1980. In addition to recruiting and assigning personnel, Sergeant Hasseldiek monitored the individual productivity of the participants.

During the first two grant periods, special training sessions were necessary to increase the skills of officers participating in the Program. Three two-day sessions were held during this grant period with officers voluntarily attending in order to learn improved detection and apprehension techniques.

If an officer had the required training and interest in the Program, he signed a list posted in one of the precinct stations. This list set out dates and times officers were needed and areas to be patrolled. The time and areas selected for patrol were based on an analysis of alcohol-related traffic accidents for the preceding months.

Officers in the Personal Patrol Car Program used their assigned vehicles to participate in the DWI Program; officers without personal patrol cars were required to contact the Commander of the precinct in which they wished to be assigned to ensure that vehicles would be available for use in the DWI Program.

Compensation for participating in this Program was computed at one and one-half the officer's regular hourly wage and paid on the regular, biweekly paycheck.

Although initial participation in this Program was open to police officers in all Divisions and Bureaus, continued involvement was from those who received the training and maintained high productivity.

During the first year of the Program, those officers approved by the Project Director were restricted to participation in the Program for four-hour periods between approximately 11:00 p.m. to 3:00 a.m. on Wednesdays, Thursdays, Fridays, Saturdays, and holidays. However, during the second and third years of the grant, the participants were allowed to work four-hour periods all seven days of the week from the hours of 9:00 p.m. to 3:00 a.m. This expansion of hours and days of the week was based on analysis of alcohol-related auto accident information. During the fourth year grant, the number of units allowed to work was limited to two cars per precinct on week days and three cars per precinct on weekends. Deployment was based on high alcohol-related accident times.

Prior to beginning a tour of duty, police officers reported to the appropriate precinct station. There, an on-duty supervisor, checking the Project Director's instructions, would designate an area within the precinct that the police officer was to patrol.

At the end of the tour, the police officers returned to the precinct station and submitted to the on-duty supervisor:

- a) All completed offense reports.
- b) A log which documented the police officer's activities.
- c) An Overtime Request Form which documented the hours worked.

Upon approval of the on-duty supervisor, the Activity Log and Overtime Form were forwarded to the Project Director. The Project Director was responsible for completion of the necessary forms to ensure compensation for the participating officers. Compensation records were forwarded to the Bureau of Financial Management. In addition, the Project Director forwarded the Activity Logs to the Bureau of Planning and Research which recorded work performance statistics and arrest information.

The Bureau of Planning and Research provided the management personnel of this Police Department and the Division of Highway Safety with:

- a) Monthly enforcement statistics by precinct.
- b) Annual evaluation of the Program.

Past evaluations have emphasized the importance of the Personal Patrol Car Program, making sufficient vehicles available for police officers to participate in the DWI Program. This was consistent during the second and third grant periods, as 56.1% of the participants drove personal patrol cars in 1979 and 61.0% in 1980. During the fourth grant period, 63.2% drove personal patrol cars.

Program Arrests

Table 1 reflects Program-Related Arrests by precinct. The number of arrests for Driving While Intoxicated for the fourth grant period increased 3.7% over the third grant period, 8.3% over the second grant period, and 15.0% over the first grant period.

TABLE 1
PROGRAM-RELATED DWI ARRESTS
BY PRECINCT AND GRANT PERIOD

Precinct	1st Grant	2nd Grant	% Change	3rd Grant	% Change	4th Grant	% Change
First	259	253	- 2.3%	252	- 0.4%	162	- 35.7%
Second	189	206	+ 8.9%	204	- 1.0%	111	- 45.6%
Third	207	290	+28.6%	287	- 1.0%	241	- 16.0%
Fourth	212	194	- 8.5%	158	- 18.6%	346	+119.0%
Fifth	102	86	-15.7%	173	+101.2%	254	+ 46.8%
TOTALS	969	1,029	+ 6.2%	1,074	+ 4.4%	1,114	+ 3.7%

TABLE 2
NON-PROGRAM-RELATED DWI ARRESTS
BY PRECINCT AND GRANT PERIOD

Precinct	Pre-Program	1st Grant	2nd Grant	% Change	3rd Grant	% Change	4th Grant	% Change
First	178	224	214	- 4.4%	150	-29.9%	197	-31.3%
Second	362	523	533	+ 2.0%	495	- 7.1%	408	-17.6%
Third	245	426	320	+24.8%	273	-14.7%	402	-47.3%
Fourth	309	343	274	-20.1%	254	- 7.3%	372	+46.5%
Fifth	167	238	226	- 5.0%	227	+ 0.4%	247	+ 8.8%
TOTALS	1,261	1,754	1,567	-10.7%	1,399	-10.7%	1,626	+16.2%

Before December 1977, St. Louis County Police officers annually arrested approximately 1,300 suspects for Driving While Intoxicated. Today, with the Program and its effect on routine patrol, this Department removed 2,740 intoxicated drivers from the road from December 1980 through September 1981.

TABLE 3
PROGRAM AND NON-PROGRAM-RELATED DWI ARRESTS
BY PRECINCT AND GRANT PERIOD

Precinct	Pre-Program	1st Grant	2nd Grant	% Change	3rd Grant	% Change	4th Grant	% Change
First	178	483	467	+ 3.3%	402	-13.9%	359	-10.7%
Second	362	712	739	+ 3.8%	699	- 5.4%	519	-25.8%
Third	245	633	610	- 3.6%	560	- 8.2%	643	+14.8%
Fourth	309	555	468	-15.7%	412	-12.0%	718	+74.3%
Fifth	167	340	312	- 8.2%	400	+28.0%	501	+25.3%
TOTALS	1,261	2,723	2,596	- 4.7%	2,473	- 4.7%	2,740	+10.8%

Media Support

The Bureau of Police Community Relations contracted for placement of outdoor billboards on key thoroughfares during December 1980 and January 1981. The "Drink and It's Your Business, Drive and It's Ours" slogan was displayed during the holiday season as a reminder to all motorists of the St. Louis County Police Department's enforcement program. This carefully timed campaign was reinforced by public service announcements on all television stations and seven major radio stations. Special emphasis was given to the four-day weekend holidays of Thanksgiving, Christmas, Memorial Day and the Fourth of July.

In addition, news releases were prepared and distributed to all radio and television stations containing statistics relevant to the Program.

The Bureau of Police Community Relations has had excellent cooperation with local newspapers in highlighting stories not only about the Program, but the problems associated with drinking drivers.

Grant Activities

In order to maintain the emphasis of the Program in arresting intoxicated drivers, police officers who participated were encouraged to assist other commissioned employees and motorists only when absolutely necessary and avoid the investigation and completion of reports unrelated to the Program. Table 4 provides a listing of all activities associated with the DWI Program participants.

TABLE 4
GRANT ACTIVITIES

ACTIVITY	1ST GRANT	2ND GRANT	3RD GRANT	4TH GRANT	PERCENT CHANGE 3RD TO 4TH GRANT
DWI Arrests	969	1,029	1,074	1,114	+ 3.7%
Non-DWI Arrests	120	63	64	93	+ 45.3%
DWI Car Checks	6,356	5,366	6,051	5,744	- 5.1%
Citations					
Moving	2,238	1,719	1,996	2,431	+ 21.8%
Non-Moving	123	153	150	178	+ 18.7%
Totals	<u>2,361</u>	<u>1,872</u>	<u>2,146</u>	<u>2,609</u>	+ 21.6%
Assisting Other Commissioned Employees					
Alarm Sounding	35	12	15	7	- 53.3%
Auto Accidents	112	65	89	69	- 22.5%
Burglaries	46	21	24	21	- 12.5%
Disturbances	165	104	103	75	- 27.5%
Effecting Arrests	104	0	0	0	0.0%
Robberies	10	11	6	4	- 33.3%
Fires	6	3	5	1	- 80.0%
Larcenies	5	7	10	4	- 60.0%
Motorists	114	46	44	23	- 47.7%
Sick Cases	7	7	2	5	+150.0%
Suspicious Persons	28	22	20	6	- 70.0%
Other	N/A	76	188	81	- 68.6%
Totals	<u>632</u>	<u>374</u>	<u>506</u>	<u>296</u>	- 41.5%
Total of All Activities	10,438	8,704	9,841	9,856	+ 0.2%

Grant Expenditures

The following direct costs were incurred during the fourth grant period:

A. Salaries

1. Commissioned

a) Overtime	\$ 88,040.46
b) FICA	5,854.69
c) Pension	<u>8,716.01</u>
	\$102,611.16

2. System's Analyst	<u>11,817.82</u>
	\$114,428.98

B. Breathalyzer Ampules	985.50
C. Advertising Billboards	5,220.00

TOTAL DIRECT COSTS \$120,634.48

In addition to these funds, State funds had been allocated for the printing of 10,000 copies of the manual, Driving While Intoxicated Enforcement. This publication is being produced by the Bureau of Planning and Research, St. Louis County Police Department. Distribution will be statewide.

Using the salary and fringe benefit costs for commissioned patrol officers, the average costs per DWI arrest for the four grant periods are as follows:

TABLE 5
AVERAGE COSTS PER ARREST
BY GRANT PERIOD

	1ST GRANT	2ND GRANT	3RD GRANT	4TH GRANT
Commissioned Officers	\$86,966.83	\$84,185.11	\$100,648.66	\$102,611.16
Arrests	969	1,029	1,074	1,114
Average Cost per DWI Arrest	\$89.75	\$81.81	\$93.71	\$92.11
Patrol Hours	7873.4	6491.9	7085.6	6624.8
Average Cost per Patrol Hour	\$11.05	\$12.97	\$14.20	\$15.49

Analysis of Program Hours

The total number of Program hours is subdivided in this report into the following categories:

DWI Process Hours - The amount of time an officer devoted to arrest, conveyance, acquiring of medical treatment at St. Louis County Hospital (if necessary), booking, witnessing the breath test, and report writing. This time began when the police officer stopped the suspect's vehicle or arrived at the scene of an alcohol-related accident and ended when the police officer returned to patrol duties.

Non-DWI Arrests/Reports - The amount of time a police officer devoted to investigations and completion of arrests and/or reports that were unrelated to the DWI program, (e.g. auto accident reports, larceny reports, etc.).

Warrant Applications/Court Appearances - The amount of Program hours required for police officers to either make warrant applications relative to Program-related arrests or appear in court and testify. It should be noted that these hours are minimal, as officers accomplished a great deal of this on their regular on-duty watch.

Patrol Hours - The total Program hours minus the above three categories. During this time period, police officers attempted to locate intoxicated drivers, stop motorists and assist motorists and other police officers in those activities outlined in Table 4, page 6.

Table 6 represents, by precinct, the total number of Program hours distributed among the previously defined categories during the fourth grant period.

TABLE 6
PROGRAM HOURS
BY TYPE AND PRECINCT

TYPE OF ACTIVITY	PRECINCT 1	PRECINCT 2	PRECINCT 3	PRECINCT 4	PRECINCT 5	TOTAL
DWI Process Hours	331.9	228.1	519.7	705.8	511.5	2,297.0
Non-DWI Arrest/ Report Hours	35.9	21.3	28.0	40.6	32.0	157.8
Warrant Applications/ Court Appearances	21.5	15.5	4.0	13.0	36.0	90.0
Patrol Hours	667.6	421.8	801.9	1,150.7	1,038.0	4,080.0
TOTALS	1,056.9	686.7	1,353.6	1,910.1	1,617.5	6,624.8

The number of hours directed toward non-DWI arrests/reports and warrant applications/court appearances accounted for 3.7% of the total Program hours as compared to 5.4% for the third grant period, 3.9% for the second grant period, and 2.4% for the first grant period.

A comparison of the four grant periods in terms of average hours to process persons arrested for DWI is presented in Table 7.

TABLE 7
AVERAGE DWI PROCESS HOURS PER DWI ARREST
BY PRECINCT AND GRANT PERIOD

PRECINCT	1ST GRANT	2ND GRANT	3RD GRANT	4TH GRANT	PERCENT CHANGE 3RD TO 4TH GRANT
First	2.4	2.1	2.3	2.0	-13.0%
Second	1.8	2.0	1.8	2.0	+11.1%
Third	2.3	2.2	2.3	2.1	- 8.7%
Fourth	2.5	2.3	2.4	2.0	-16.7%
Fifth	1.9	2.1	2.5	2.0	-20.0%
TOTALS	2.2	2.1	2.3	2.0	-13.0%

During the fourth grant period, four of the five precincts improved their DWI process time and contributed to a 13.0% Department-wide reduction in DWI process time.

TABLE 8
AVERAGE NUMBER OF PATROL HOURS PER DWI ARREST
BY PRECINCT AND GRANT PERIOD

PRECINCT	1ST GRANT	2ND GRANT	3RD GRANT	4TH GRANT	PERCENT CHANGE 3RD TO 4TH GRANT
First	6.4	2.6	2.9	4.1	+41.4%
Second	4.9	4.4	4.6	3.8	-17.4%
Third	5.3	3.2	3.4	3.3	- 2.9%
Fourth	5.4	4.5	4.6	3.3	-28.3%
Fifth	7.1	6.6	4.8	4.0	-16.7%
TOTALS	5.7	3.9	3.9	3.6	- 7.7%

Fourth grant period participants decreased the number of patrol hours per DWI arrest. This is a key performance measure of the efficiency of the patrol unit. This decrease is significant since it was achieved while overall Program-related activities increased. Officers who participated in the Program located and processed DWI suspects faster, yet increased overall activities while on DWI patrol.

Motor Vehicle Accidents

The following four tables (9 through 12) illustrate the consistent relationship between the number of total accidents and the number involving intoxicated drivers.

Table 9 compares the number of motor vehicle accidents by type for the pre-grant and subsequent four grant periods for unincorporated St. Louis County.

TABLE 9
MOTOR VEHICLE ACCIDENTS
BY TYPE AND GRANT PERIOD

TYPE	PRE-PROGRAM	1ST GRANT	2ND GRANT	3RD GRANT	4TH GRANT	PERCENT CHANGE 3RD TO 4TH GRANT
Property Damage	3,780	4,278	3,955	3,454	3,319	- 3.9%
Bodily Injury	1,692	2,171	2,167	2,093	1,979	- 5.4%
Fatalities	33	28	31	38	19	-50.0%
TOTALS	5,505	6,477	6,153	5,585	5,317	- 4.8%

Table 9 shows a 50.0% decrease in fatalities and a reduction in accidents with injuries and property damage. The number of automobile accidents, regardless of cause, is lower in 1981 than in the previous four grant periods. The St. Louis County Police Department's Division of Field Operations indicates this is a result of an increase in directed traffic enforcement. In particular, moving violations have been stressed by the Bureau of Uniform Patrol in an effort to single out violations associated with the causes of automobile accidents.

TABLE 10
ALCOHOL-RELATED ACCIDENTS
BY TYPE AND GRANT PERIOD

TYPE	PRE-PROGRAM	1ST GRANT	2ND GRANT	3RD GRANT	4TH GRANT	PERCENT CHANGE 3RD TO 4TH GRANT
Property Damage	279	352	330	271	296	+9.2%
Bodily Injury	134	177	201	175	171	-2.3%
Fatalities	2	5	3	5	5	0.0%
TOTALS	415	534	534	451	472	+4.7%

TABLE 11
ALCOHOL-RELATED MOTOR VEHICLE ACCIDENTS
BY PRECINCT AND GRANT PERIOD

PRECINCT	PRE-PROGRAM	1ST GRANT	2ND GRANT	3RD GRANT	4TH GRANT	PERCENT CHANGE 3RD TO 4TH GRANT
First	52	90	103	96	88	- 8.3%
Second	132	138	141	119	92	-22.7%
Third	83	112	109	95	112	+17.9%
Fourth	107	119	122	67	96	+43.3%
Fifth	41	75	59	74	84	+13.5%
TOTALS	415	534	534	451	472	+ 4.7%

TABLE 12
ALCOHOL-RELATED ACCIDENTS AS A RATIO OF TOTAL ACCIDENTS

	PRE-PROGRAM	1ST YEAR GRANT	2ND YEAR GRANT	3RD YEAR GRANT	4TH YEAR GRANT	TOTALS
Alcohol-Related Accidents	415	534	534	451	472	2,406
Total Accidents	5,505	6,477	6,153	5,585	5,317	29,037
Ratio	1/13.3	1/12.1	1/11.5	1/12.4	1/11.3	1/12.1
Percent	7.5%	8.2%	8.7%	8.1%	8.9%	8.3%

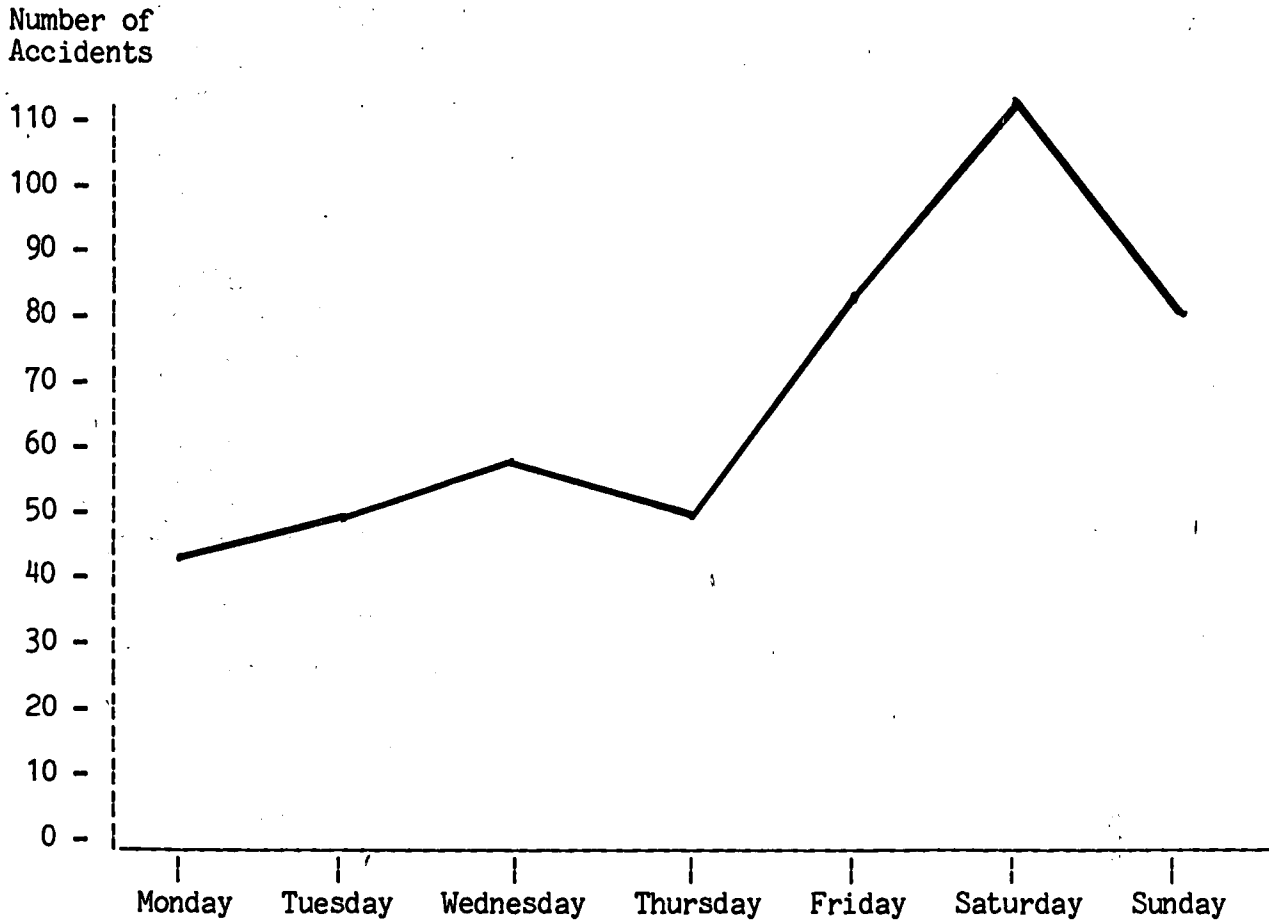
While it is encouraging to see a decline in auto accidents regardless of cause, this success is mitigated by the increase in alcohol-related accidents. As a percentage of all accidents, alcohol-related accidents did not decline between 1977 and 1981, even through DWI arrests by this Department increased an annual average of 109% over the pre-grant period.

Alcohol-related fatalities represent 22.7% of the total vehicular fatalities (5 of 22) that occurred in unincorporated St. Louis County during the fourth grant period. While alcohol is related to 1 out of every 11 auto accidents regardless of cause, alcohol-related deaths account for almost one out of every four vehicular fatalities in St. Louis County. Another way of stating this is that for every 241 auto accidents that occur for whatever reason, one fatality will occur. Add alcohol, and for every 95 accidents, one fatality will occur.

Alcohol-Related Accident Patterns

Alcohol-related accidents are closely associated with certain days of the week and times of the day:

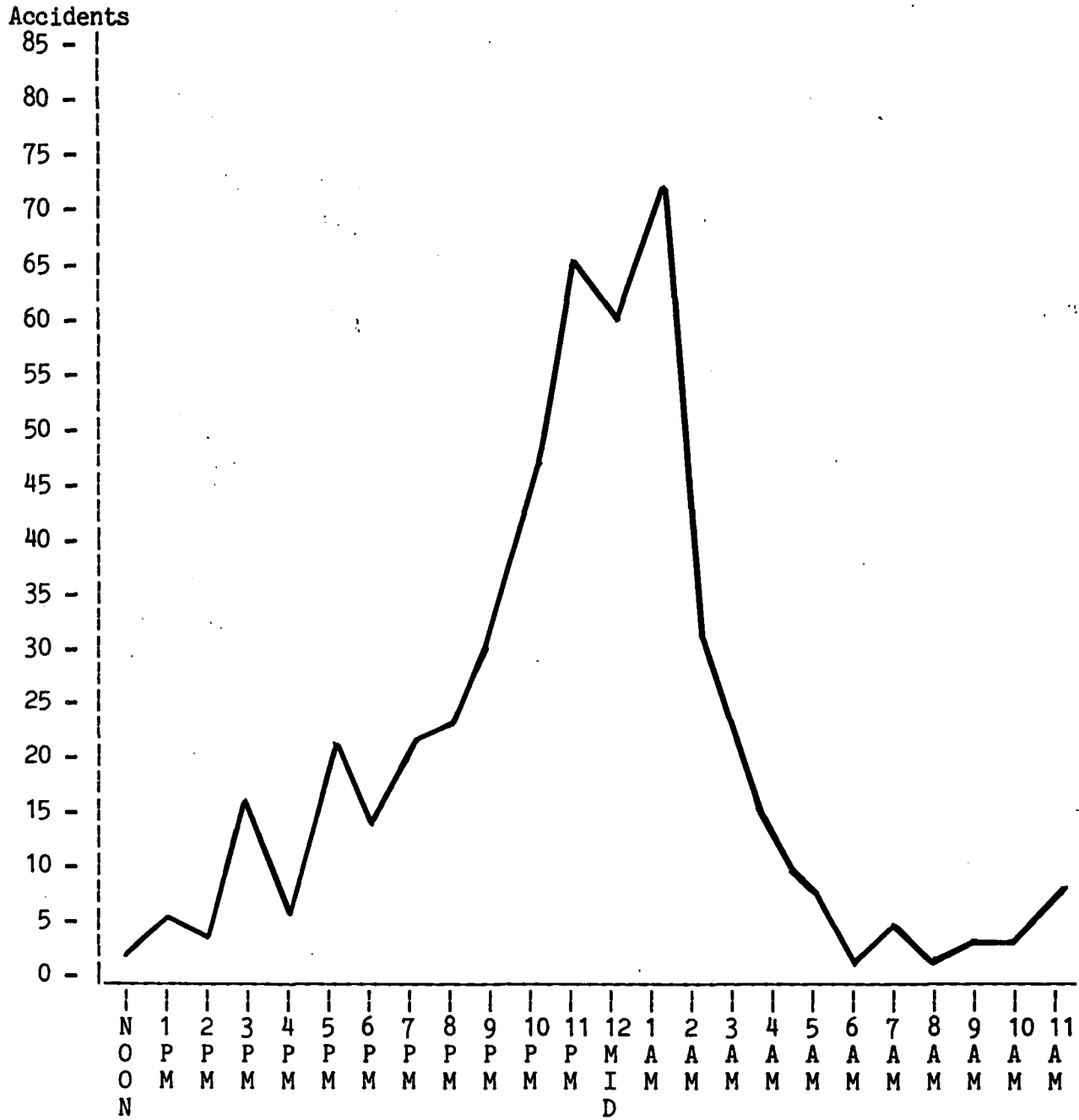
TABLE 13
ALCOHOL-RELATED ACCIDENTS BY DAY OF THE WEEK



An analysis of alcohol-related accidents reveals a continuing decline in the number of these accidents which occur on Fridays and Saturdays. However, if Sunday is added into the weekend, 58.0% of these accidents occur on these three days compared to Monday through Thursday.

In terms of the time of day alcohol-related accidents occur, the period between 10:00 p.m. and 3:00 a.m. still dominates the pattern. Last year, 49.2% of alcohol-related accidents occurred between 10:00 p.m. and 3:00 a.m. This year, 58.5% occurred during this interval.

TABLE 14
ALCOHOL-RELATED ACCIDENTS BY TIME OF DAY



Profile of Persons Arrested for DWI

Of the 1,114 DWI arrests made through the Program, the profile of the suspect apprehended does not vary from previous grant periods. The offense of Driving While Intoxicated is principally committed by young (48.6% are 27 years old or younger), white (96.9%) and male (91.2%) persons. Twenty-three percent of this group had a prior arrest for Driving While Intoxicated. Eighty-seven percent had blood alcohol content (BAC) readings of .10 percent or greater. Nine percent refused to take the Breathalyzer Test.

Court Dispositions

Information on disposition of cases was gathered from the Prosecuting Attorney's Office on nearly 1,900 DWI arrests in 1980.

In summary, the following observations can be made:²

- 49% of all DWI defendants received a suspended imposition of sentence (S.I.S.).
- 23.4% of all DWI charges were amended and the defendant plead guilty to a lesser offense.
- 10.2% of all DWI cases actually went to trial of these, 67% were found guilty.
- 8.7% of all DWI cases were dismissed for failure to prosecute.
- 6.8% of all DWI defendants were not prosecuted.
- 2% of all DWI cases were dismissed for lack of evidence.

Summary

Looking back over the past four years, comfort can be taken from the fact 4,186 intoxicated drivers were removed through this special enforcement Program, if only temporarily, from the road. The toll in deaths, injuries, and damages these individuals could have caused if allowed to drive in their intoxicated conditions is incalculable.

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² Information on disposition of cases has been taken from research conducted by the System's Analyst funded by this year's enforcement grant. See the 1981 publication, Driving While Intoxicated, Enforcement, Prosecution, and Adjudication in St. Louis County available from the St. Louis County Police Department, Bureau of Planning and Research.

APPENDIX A
TABLE A-1
DWI ARRESTS BY PRECINCT (PROGRAM & NON-PROGRAM)

PRECINCTS	1	2	3	4	5	TOTAL
December 1976	27	51	31	41	26	176
January 1977	11	28	21	27	17	104
February 1977	18	43	24	26	22	133
March 1977	12	41	28	39	16	136
April 1977	25	27	27	30	19	128
May 1977	22	36	29	31	16	134
June 1977	12	29	15	27	13	96
July 1977	10	24	24	31	16	105
August 1977	14	41	18	26	6	105
September 1977	27	42	28	31	16	144
TOTAL	178	362	245	309	167	1,261

PRECINCTS	1	2	3	4	5	TOTAL
December 1977	50	69	52	46	24	241
January 1978	52	72	66	65	19	274
February 1978	48	100	86	57	26	317
March 1978	81	97	95	65	74	412
April 1978	53	81	88	69	57	348
May 1978	54	65	54	37	30	240
June 1978	34	46	44	50	31	205
July 1978	48	57	53	71	28	257
August 1978	26	51	41	49	22	189
September 1978	37	74	54	46	29	240
TOTAL	483	712	633	555	340	2,723

PRECINCTS	1	2	3	4	5	TOTAL
December 1978	48	76	72	62	43	301
January 1979	45	72	43	64	21	245
February 1979	53	69	64	41	27	254
March 1979	52	111	82	51	42	338
April 1979	56	95	69	42	32	294
May 1979	44	87	61	35	30	257
June 1979	35	60	51	33	35	214
July 1979	47	52	50	46	31	226
August 1979	49	47	58	56	19	229
September 1979	38	70	60	38	32	238
TOTAL	467	739	610	468	312	2,596

PRECINCTS	1	2	3	4	5	TOTAL
December 1979	51	83	67	45	42	288
January 1980	40	57	55	44	31	227
February 1980	33	59	58	31	18	199
March 1980	54	74	78	46	46	298
April 1980	42	65	50	39	42	238
May 1980	40	65	52	33	41	231
June 1980	36	67	50	33	46	232
July 1980	27	59	48	37	54	225
August 1980	41	86	50	62	38	277
September 1980	38	84	52	42	42	258
TOTAL	402	699	560	412	400	2,473

PRECINCTS	1	2	3	4	5	TOTAL
December 1980	48	59	64	48	71	290
January 1981	46	71	65	90	61	333
February 1981	48	66	65	88	45	312
March 1981	53	59	66	77	59	314
April 1981	33	51	42	59	50	235
May 1981	29	49	60	74	48	260
June 1981	30	36	80	71	44	261
July 1981	22	32	72	81	37	244
August 1981	21	50	69	66	34	240
September 1981	29	46	60	64	52	251
TOTAL	359	519	643	718	501	2,740

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APPENDIX A
TABLE A-2
DRIVING WHILE INTOXICATED GRANT PROGRAM ACTIVITIES

1ST GRANT PERIOD - DEC. 1977 TO SEPT. 1978

PRECINCT	1	2	3	4	5	TOTAL
<u>PROGRAM HOURS</u>						
Total Hours	2,341.9	1,308.4	1,581.4	1,705.4	936.3	7,873.4
DWI Process Hours	617.7	339.0	478.9	525.9	197.2	2,158.2
Non-DWI Arrests/Reports/ Warrant Applications/ Court Appearances	63.6	31.1	15.4	41.7	12.2	164.0
Patrol Hours	1,660.6	918.3	1,087.1	1,138.3	723.1	5,527.4
Others	0	20.0	0	0	3.8	23.8
<u>ACTIVITIES</u>						
DWI Arrests	259	189	207	212	102	969
Non-DWI Arrests/Reports	49	22	20	20	9	120
DWI Checks	2,041	998	1,039	1,548	730	6,356
Total	<u>2,349</u>	<u>1,209</u>	<u>1,266</u>	<u>1,780</u>	<u>841</u>	<u>7,445</u>
<u>CITATIONS</u>						
Moving	698	441	364	479	256	2,238
Non-Moving	93	6	5	10	9	123
Total	<u>791</u>	<u>447</u>	<u>369</u>	<u>489</u>	<u>265</u>	<u>2,361</u>
<u>ASSISTS</u>						
Alarm Soundings	9	8	7	8	3	35
Auto Accidents	43	26	18	7	18	112
Burglaries	19	7	12	5	3	46
Disturbances	81	16	25	19	24	165
Effecting Arrests	38	13	24	22	7	104
Fires	2	1	3	0	0	6
Larcenies	2	0	1	2	0	5
Motorists	44	23	21	6	20	114
Robberies	3	5	1	1	0	10
Sick Cases	2	0	2	1	2	7
Suspicious Persons	10	4	4	4	6	28
Total	<u>253</u>	<u>103</u>	<u>118</u>	<u>75</u>	<u>83</u>	<u>632</u>
<u>COMPARISONS</u>						
Patrol Hours Per DWI Arrest	6.4	4.9	5.3	5.4	7.1	5.7
Process Hours Per DWI Arrest	2.4	1.8	2.3	2.5	1.9	2.2
DWI Checks Per DWI Arrest	7.9	5.3	5.0	7.3	7.2	6.6
Patrol Hours Per DWI Check	.8	.9	1.0	.7	1.0	.9
Total Program Hours Per DWI Arrest	9.0	6.9	7.6	8.0	9.2	8.1

APPENDIX A
TABLE A-2
DRIVING WHILE INTOXICATED GRANT PROGRAM ACTIVITIES

2ND GRANT PERIOD - DEC. 1978 TO SEPT. 1979

PRECINCT	1	2	3	4	5	TOTAL
<u>PROGRAM HOURS</u>						
Total Hours	1,295.9	1,408.3	1,616.9	1,390.7	780.1	6,491.9
DWI Process Hours	543.7	415.2	656.5	459.2	186.8	2,261.4
Non-DWI Arrests/Reports/ Warrant Applications/ Court Appearances	76.3	80.7	18.3	53.0	25.2	253.5
Patrol Hours	675.9	912.4	942.1	878.5	568.1	3,977.0
<u>ACTIVITIES</u>						
DWI Arrests	253	206	290	194	86	1,029
Non-DWI Arrests/Reports	9	21	9	18	6	63
DWI Checks	1,021	1,157	1,223	1,309	656	5,366
Total	<u>1,283</u>	<u>1,384</u>	<u>1,522</u>	<u>1,521</u>	<u>748</u>	<u>6,458</u>
<u>CITATIONS</u>						
Moving	398	391	446	330	154	1,719
Non-Moving	36	45	28	34	10	153
Total	<u>434</u>	<u>436</u>	<u>474</u>	<u>364</u>	<u>164</u>	<u>1,872</u>
<u>ASSISTS</u>						
Alarm Soundings	0	6	1	2	3	12
Auto Accidents	12	12	15	10	16	65
Burglaries	3	9	5	1	3	21
Disturbances	10	41	15	25	13	104
Effecting Arrests	0	0	0	0	0	0
Fires	0	0	0	0	3	3
Larcenies	0	2	2	1	2	7
Motorists	2	23	4	1	16	46
Robberies	3	7	0	1	0	11
Sick Cases	0	5	0	1	1	7
Suspicious Persons	5	6	3	3	5	22
Other	7	34	7	14	14	76
Total	<u>42</u>	<u>145</u>	<u>52</u>	<u>59</u>	<u>76</u>	<u>374</u>
<u>COMPARISONS</u>						
Patrol Hours						
Per DWI Arrest	2.6	4.4	3.2	4.5	6.6	3.9
Process Hours						
Per DWI Arrest	2.1	2.0	2.2	2.3	2.1	2.1
DWI Checks						
Per DWI Arrest	4.0	5.6	4.2	6.7	7.6	5.2
Patrol Hours						
Per DWI Check	.7	.8	.8	.7	.9	1.2
Total Program Hours						
Per DWI Arrest	5.1	6.8	5.5	7.1	9.0	6.3

APPENDIX A
TABLE A-2
DRIVING WHILE INTOXICATED GRANT PROGRAM ACTIVITIES

3RD GRANT PERIOD - DEC. 1979 TO SEPT. 1980

PRECINCT	1	2	3	4	5	TOTAL
<u>PROGRAM HOURS</u>						
Total Hours	1,472.6	1,385.4	1,720.9	1,167.8	1,356.9	7,103.6
DWI Process Hours	590.6	385.3	674.9	383.6	442.3	2,476.7
Non-DWI Arrests/Reports/ Warrant Applications/ Court Appearances	143.9	59.5	64.8	45.7	69.0	382.9
Patrol Hours	738.1	940.6	981.2	738.5	845.6	4,244.0
<u>ACTIVITIES</u>						
DWI Arrests	252	204	287	158	173	1,074
Non-DWI Arrests/Reports	17	14	7	14	12	64
DWI Checks	1,201	1,180	1,390	1,074	1,206	6,051
Total	1,470	1,398	1,684	1,246	1,391	7,189
<u>CITATIONS</u>						
Moving	404	400	531	310	351	1,996
Non-Moving	29	25	26	24	46	150
Total	433	425	557	334	397	2,146
<u>ASSISTS</u>						
Alarm Soundings	6	4	5	0	0	15
Auto Accidents	24	25	13	11	16	89
Burglaries	7	7	3	5	2	24
Disturbances	33	19	22	13	16	103
Effecting Arrests	0	0	0	0	0	0
Fires	1	2	2	0	0	5
Larcenies	0	3	2	3	2	10
Motorists	10	10	5	6	13	44
Robberies	1	3	1	0	1	6
Sick Cases	0	0	0	1	1	2
Suspicious Persons	8	6	2	1	3	20
Other	39	56	26	33	34	188
Total	129	135	81	73	88	506
<u>COMPARISONS</u>						
Patrol Hours						
Per DWI Arrest	2.9	4.6	3.4	4.6	4.8	3.9
Process Hours						
Per DWI Arrest	2.3	1.8	2.3	2.4	2.5	2.3
DWI Checks						
Per DWI Arrest	4.7	5.7	4.8	6.7	6.9	5.6
Patrol Hours						
Per DWI Check	.6	.8	.7	.7	.7	.7
<u>Total Program Hours</u>						
Per DWI Arrest	5.8	6.7	5.9	7.3	7.8	6.6

APPENDIX A
TABLE A-2
DRIVING WHILE INTOXICATED GRANT PROGRAM ACTIVITIES

4TH GRANT PERIOD - DEC. 1980 TO SEPT. 1981

PRECINCT	1	2	3	4	5	TOTAL
<u>PROGRAM HOURS</u>						
Total Hours	1,056.9	686.7	1,353.6	1,910.1	1,617.5	6,624.8
DWI Process Hours	331.9	228.1	519.7	705.8	511.5	2,297.0
Non-DWI Arrests/Reports/ Warrant Applications/ Court Appearances	57.4	36.8	32.0	53.6	68.0	247.8
Patrol Hours	667.6	421.8	801.9	1,150.7	1,038.0	4,080.0
<u>ACTIVITIES</u>						
DWI Arrests	162	111	241	346	254	1,114
Non-DWI Arrests/Reports	20	13	21	20	19	93
DWI Checks	980	567	1,050	1,840	1,307	5,744
Total	<u>1,162</u>	<u>691</u>	<u>1,312</u>	<u>2,206</u>	<u>1,580</u>	<u>6,951</u>
<u>CITATIONS</u>						
Moving	346	281	517	708	579	2,431
Non-Moving	25	26	37	31	59	178
Total	<u>371</u>	<u>307</u>	<u>554</u>	<u>739</u>	<u>638</u>	<u>2,609</u>
<u>ASSISTS</u>						
Alarm Soundings	0	2	3	2	0	7
Auto Accidents	16	12	17	10	14	69
Burglaries	4	5	4	1	5	19
Disturbances	16	14	10	24	11	75
Effecting Arrests	0	0	0	0	0	0
Fires	0	1	0	0	0	1
Larcenies	1	0	2	1	2	4
Motorists	5	5	2	6	5	23
Robberies	0	2	0	2	0	4
Sick Cases	2	1	1	0	1	5
Suspicious Persons	0	0	3	2	1	6
Other	20	2	10	26	25	83
Total	<u>64</u>	<u>44</u>	<u>50</u>	<u>74</u>	<u>64</u>	<u>296</u>
<u>COMPARISONS</u>						
Patrol Hours						
Per DWI Arrest	4.1	3.8	3.3	3.3	4.0	3.6
Process Hours						
Per DWI Arrest	2.0	2.0	2.1	2.0	2.0	2.0
DWI Checks						
Per DWI Arrest	6.0	5.1	4.3	5.3	5.1	5.1
Patrol Hours						
Per DWI Check	.7	.7	.8	.8	.7	.7
<u>Total Program Hours</u>						
Per DWI Arrest	6.5	6.1	5.6	5.5	6.3	5.9

APPENDIX B
TABLE B-1
MOTOR VEHICLE ACCIDENTS
UNINCORPORATED ST. LOUIS COUNTY
PRE-PROGRAM PERIOD

Month*	TYPE OF ACCIDENT				NUMBER OF PERSONS INJURED OR KILLED			CALCULABLE COSTS			
	Property Damage	Injury	Fatality	Total	Injured	Killed	Total	Property Damage	Personal Injury	Fatality	Total
December 1976	434	181	2	617	258	2	260	\$ 208,320	\$ 877,200	\$ 164,000	\$ 1,249,520
January 1977	494	124	3	621	174	3	177	237,120	591,600	246,000	1,074,720
February 1977	329	101	0	430	138	0	138	157,920	469,200	0	627,120
March 1977	275	102	1	378	166	1	167	132,000	564,400	82,000	778,400
April 1977	1,129	334	6	1,469	293	5	298	174,240	996,200	410,000	1,580,440
May 1977	355	176	4	515	249	4	253	160,800	846,600	328,000	1,335,400
June 1977	336	168	2	506	236	2	238	161,280	802,400	164,000	1,127,680
July 1977	347	169	3	519	224	6	230	166,560	761,600	492,000	1,420,160
August 1977	332	204	7	543	306	9	315	159,360	1,040,400	738,000	1,937,760
September 1977	341	182	3	526	271	3	274	163,680	921,400	246,000	1,331,080
TOTALS	3,780	1,692	33	5,505	2,446	40	2,486	\$1,814,400	\$ 8,316,400	\$3,280,000	\$13,410,800

*Monthly statistics reflect only those reports written and processed by the Bureau of Central Police Records during the identified month. Therefore, annual totals reflect adjustments which do not appear in the monthly totals.

KO2161

APPENDIX B
TABLE B-1
MOTOR VEHICLE ACCIDENTS
UNINCORPORATED ST. LOUIS COUNTY
FIRST GRANT PERIOD

Month*	TYPE OF ACCIDENT				NUMBER OF PERSONS INJURED OR KILLED			CALCULABLE COSTS			
	Property Damage	Injury	Fatality	Total	Injured	Killed	Total	Property Damage	Personal Injury	Fatality	Total
December 1977	463	179	4	646	274	4	278	\$ 222,240	\$ 931,600	\$ 328,000	\$ 1,481,840
January 1978	480	187	2	669	268	2	270	230,400	911,200	164,000	1,305,600
February 1978	390	184	0	574	270	0	270	187,200	918,000	0	1,105,200
March 1978	431	181	1	613	254	1	255	206,880	863,600	82,000	1,152,480
April 1978	392	220	3	615	324	3	327	188,160	1,101,600	246,000	1,535,760
May 1978	462	242	3	707	355	3	358	221,760	1,207,000	246,000	1,674,760
June 1978	417	257	4	678	381	4	385	200,160	1,295,400	328,000	1,823,560
July 1978	397	218	3	618	348	4	352	190,560	1,183,200	328,000	1,701,760
August 1978	366	213	3	582	326	4	330	175,680	1,108,400	328,000	1,612,080
September 1978	365	222	3	590	295	4	299	175,200	1,003,000	328,000	1,506,200
TOTALS	4,278	2,171	28	6,477	3,202	32	3,234	\$2,053,440	\$10,886,800	\$2,624,000	\$15,564,240

*Monthly statistics reflect only those reports written and processed by the Bureau of Central Police Records during the identified month. Therefore, annual totals reflect adjustments which do not appear in the monthly totals.

APPENDIX B
TABLE B-1
MOTOR VEHICLE ACCIDENTS
UNINCORPORATED ST. LOUIS COUNTY
SECOND GRANT PERIOD

Month*	TYPE OF ACCIDENT				NUMBER OF PERSONS INJURED OR KILLED			CALCULABLE COSTS			
	Property Damage	Injury	Fatality	Total	Injured	Killed	Total	Property Damage	Personal Injury	Fatality	Total
December 1978	492	243	2	737	343	2	345	\$ 236,160	\$1,166,200	\$ 164,000	\$ 1,566,360
January 1979	611	227	2	840	334	2	336	293,280	1,135,600	164,000	1,592,880
February 1979	386	173	2	561	249	2	251	185,280	846,600	164,000	1,195,880
March 1979	450	254	4	708	383	4	387	216,000	1,302,200	328,000	1,846,200
April 1979	333	210	3	546	302	3	305	159,840	1,026,800	246,000	1,432,640
May 1979	353	221	3	577	342	4	346	169,440	1,162,800	328,000	1,660,240
June 1979	354	225	3	582	340	3	343	169,920	1,156,000	246,000	1,571,920
July 1979	342	212	4	558	297	4	301	164,160	1,009,800	328,000	1,501,960
August 1979	306	184	3	493	272	3	275	146,880	924,800	246,000	1,317,680
September 1979	268	165	5	438	240	5	245	128,640	816,000	410,000	1,354,640
TOTALS	3,955	2,167	31	6,153	3,182	32	3,214	\$1,898,400	\$10,818,800	\$2,624,000	\$15,341,200

*Monthly statistics reflect only those reports written and processed by the Bureau of Central Police Records during the identified month. Therefore, annual totals reflect adjustments which do not appear in the monthly totals.

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APPENDIX B
TABLE B-1
MOTOR VEHICLE ACCIDENTS
UNINCORPORATED ST. LOUIS COUNTY
THIRD GRANT PERIOD

Month*	TYPE OF ACCIDENT				NUMBER OF PERSONS INJURED OR KILLED			CALCULABLE COSTS			
	Property Damage	Injury	Fatality	Total	Injured	Killed	Total	Property Damage	Personal Injury	Fatality	Total
December 1979	392	227	4	623	332	4	336	188,160	1,128,800	328,000	1,644,960
January 1980	344	156	4	504	235	4	239	165,120	799,000	328,000	1,292,120
February 1980	382	178	3	563	260	3	263	246,000	884,000	246,000	1,313,360
March 1980	393	196	2	591	278	2	280	188,640	945,200	164,000	1,297,840
April 1980	306	184	5	495	284	5	289	146,880	965,600	410,000	1,522,480
May 1980	318	225	3	546	320	3	323	152,640	1,088,000	246,000	1,486,640
June 1980	302	241	4	547	334	8	342	144,960	1,135,000	656,000	1,936,560
July 1980	329	220	5	554	312	5	317	157,920	1,060,800	410,000	1,628,720
August 1980	348	222	5	575	345	5	350	167,040	1,173,000	410,000	1,750,040
September 1980	236	168	1	432	236	1	237	126,240	802,400	82,000	1,010,640
TOTALS	3,454	2,093	38	5,585	3,039	42	3,081	\$1,657,920	\$10,332,600	\$3,444,000	\$15,434,520

*Monthly statistics reflect only those reports written and processed by the Bureau of Central Police Records during the identified month. Therefore, annual totals reflect adjustments which do not appear in the monthly totals.

K01581

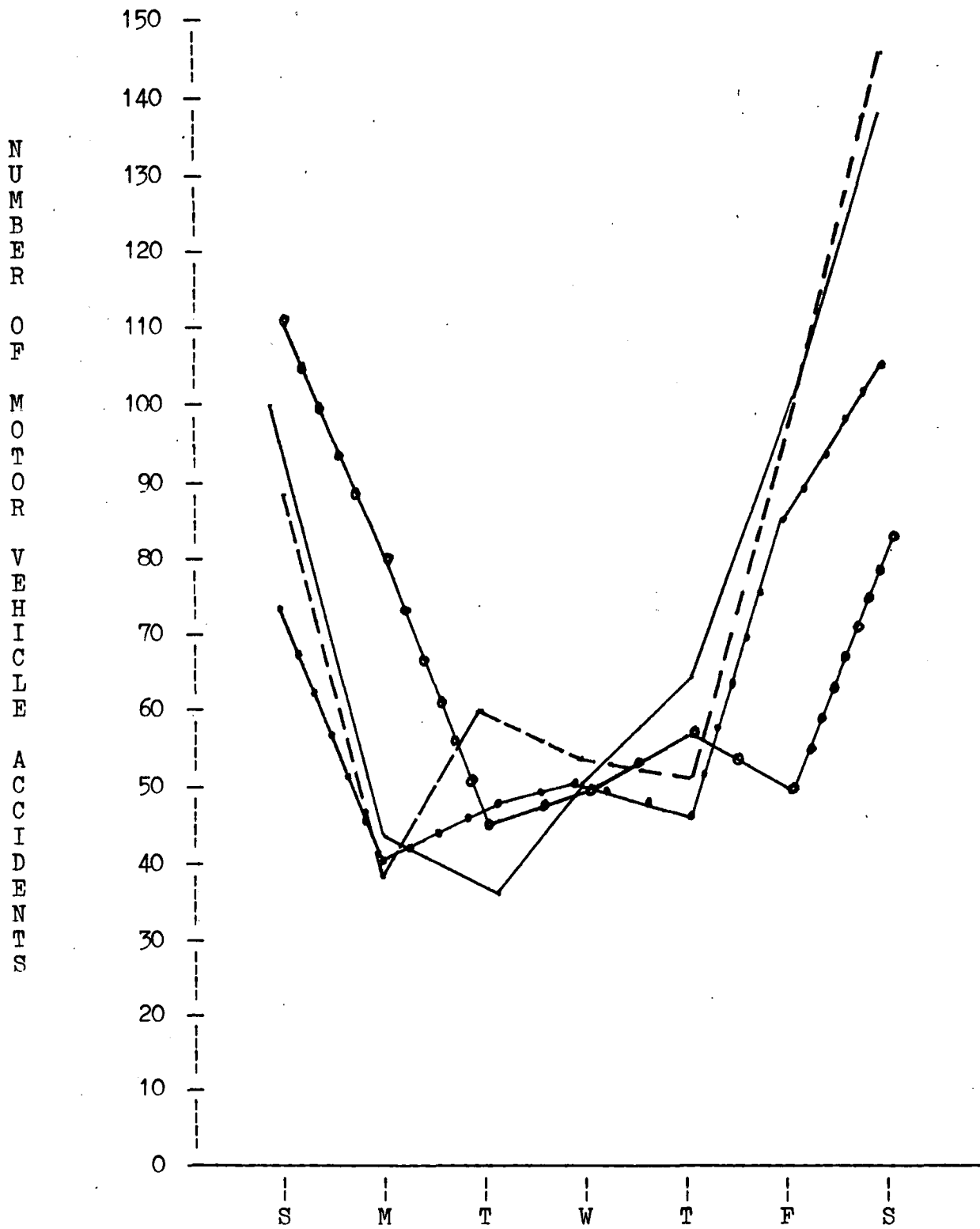
APPENDIX B
TABLE B-1
MOTOR VEHICLE ACCIDENTS
UNINCORPORATED ST. LOUIS COUNTY
FOURTH GRANT PERIOD

Month*	TYPE OF ACCIDENT				NUMBER OF PERSONS INJURED OR KILLED			CALCULABLE COSTS			
	Property Damage	Injury	Fatality	Total	Injured	Killed	Total	Property Damage	Personal Injury	Fatality	Total
December 1980	383	198	1	582	280	1	281	183,840	952,000	82,000	1,217,840
January 1981	312	178	2	492	272	2	274	149,760	924,800	164,000	1,238,560
February 1981	308	167	1	476	267	1	268	147,840	907,800	82,000	1,137,640
March 1981	281	186	2	469	279	2	281	134,880	948,600	164,000	1,247,480
April 1981	283	195	1	479	282	2	284	135,840	958,800	164,000	1,258,640
May 1981	371	216	3	590	336	4	340	178,080	1,142,400	328,000	1,648,480
June 1981	351	188	2	541	283	2	285	168,480	962,200	164,000	1,294,680
July 1981	317	199	4	520	293	4	297	152,160	996,200	328,000	1,476,360
August 1981	346	195	1	542	305	2	307	166,080	1,037,000	164,000	1,367,080
September 1981	273	183	2	458	263	2	265	131,040	894,200	164,000	1,189,240
TOTALS	3,319	1,979	19	5,317	2,964	22	2,986	\$1,593,120	\$10,077,600	1,886,000	13,556,720

*Monthly statistics reflect only those reports written and processed by the Bureau of Central Police Records during the identified month. Therefore, annual totals reflect adjustments which do not appear in the monthly totals.
KO1581

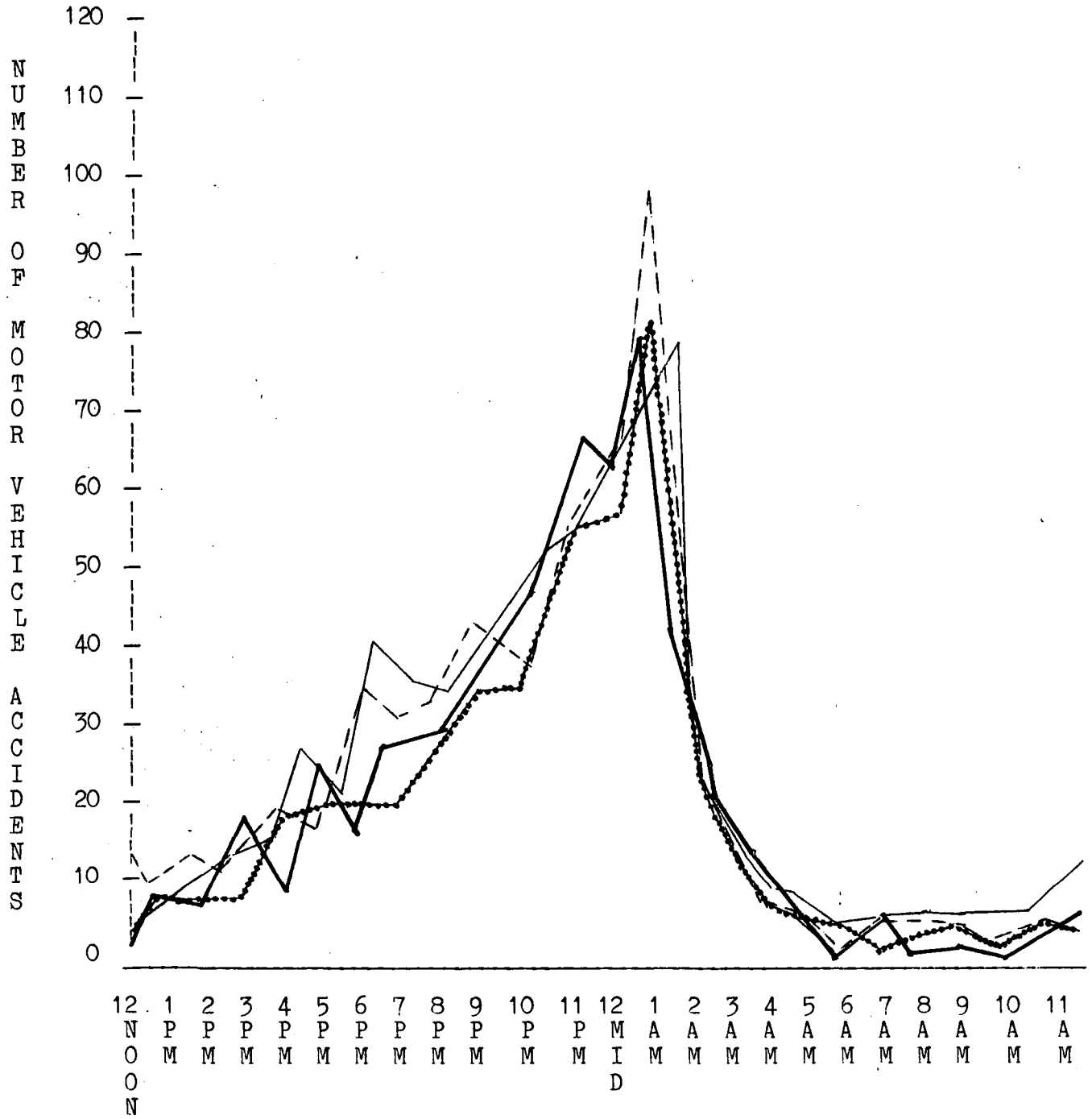
APPENDIX C - (TABLE C-1)
 ALOCHOL-RELATED MOTOR VEHICLE ACCIDENTS BY DAY OF WEEK

FIRST GRANT PERIOD —————
 SECOND GRANT PERIOD - - - - -
 THIRD GRANT PERIOD ●-●-●-●-●
 FOURTH GRANT PERIOD ○-○-○-○-○



APPENDIX C - (TABLE C-2)
 ALCOHOL-RELATED MOTOR VEHICLE ACCIDENTS BY TIME OF DAY

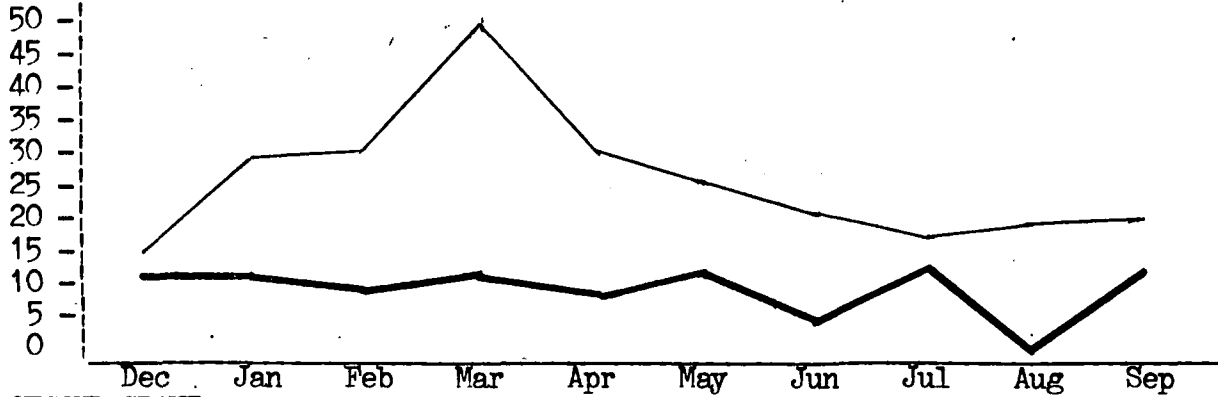
FIRST GRANT PERIOD ———
 SECOND GRANT PERIOD - - - -
 THIRD GRANT PERIOD ●-●-●-●-●
 FOURTH GRANT PERIOD ———



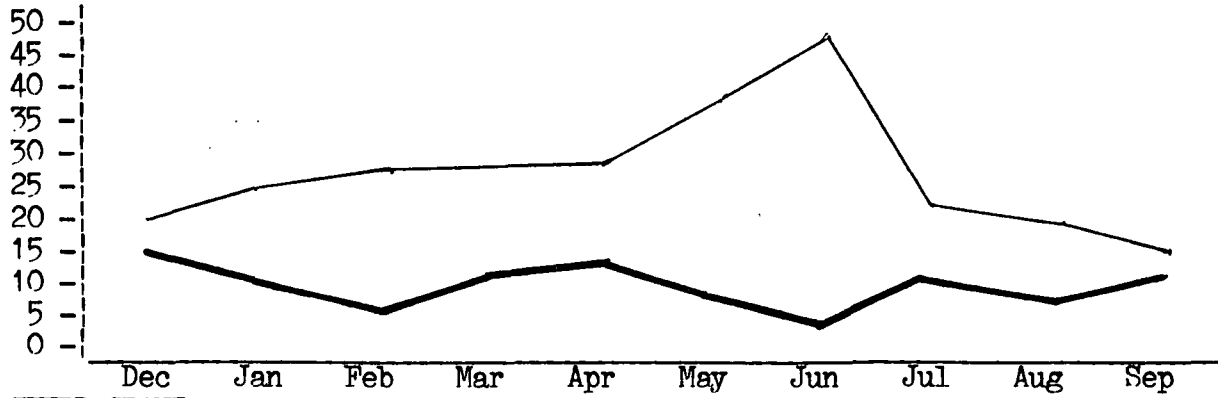
APPENDIX D - TABLE D-1
 ALCOHOL-RELATED ACCIDENTS
 DWI ARRESTS
 1ST PRECINCT

D.W.I. Arrests _____
 Vehicle Accidents _____

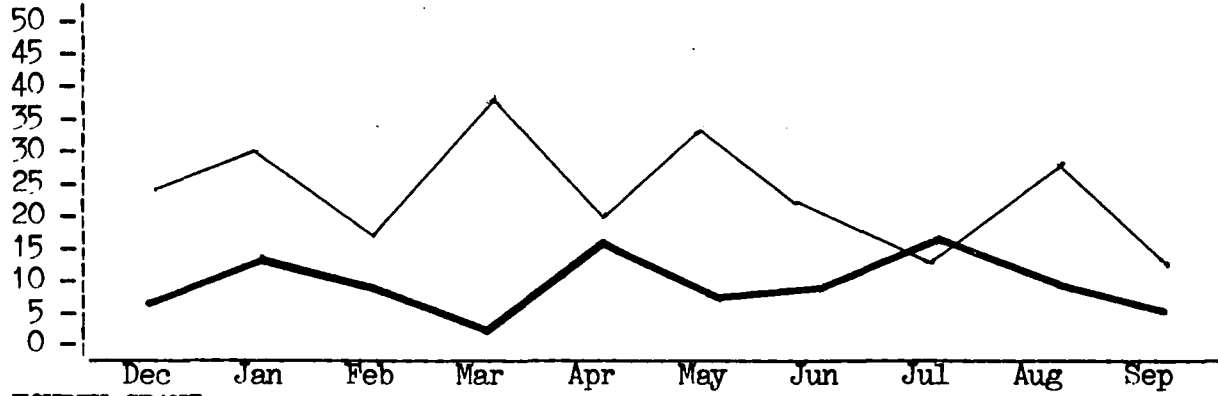
FIRST GRANT



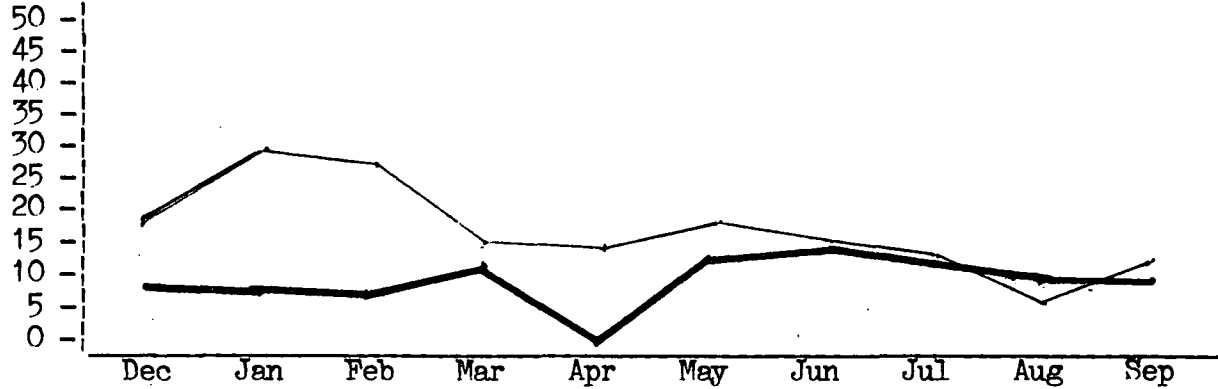
SECOND GRANT



THIRD GRANT

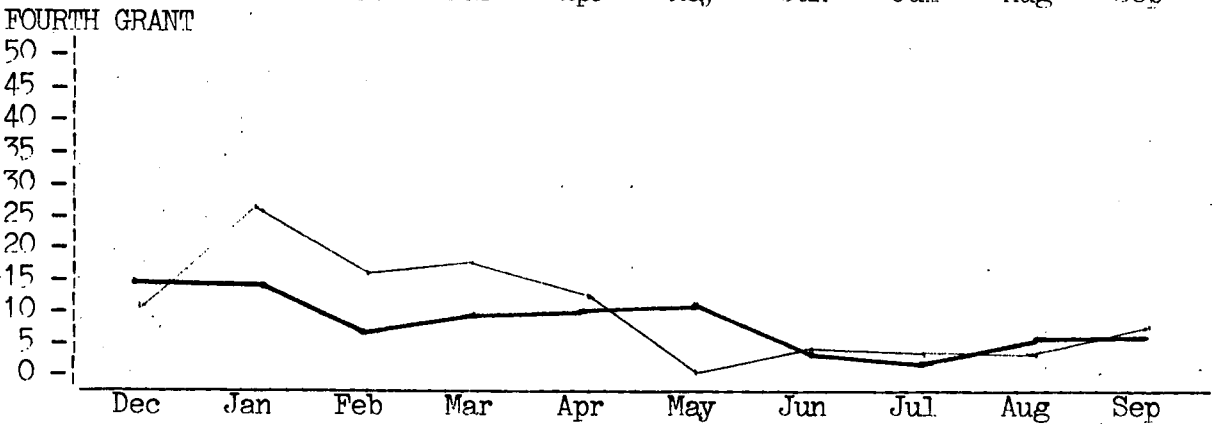
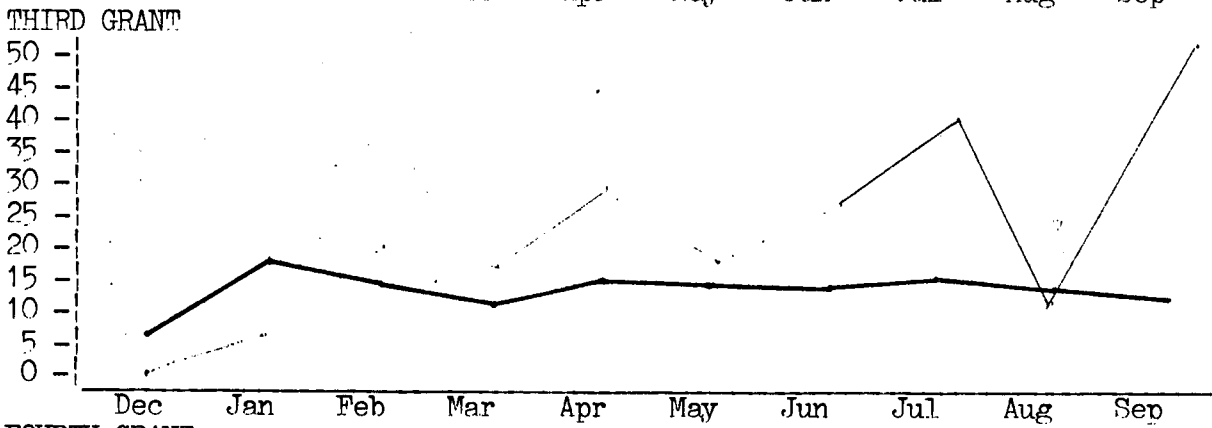
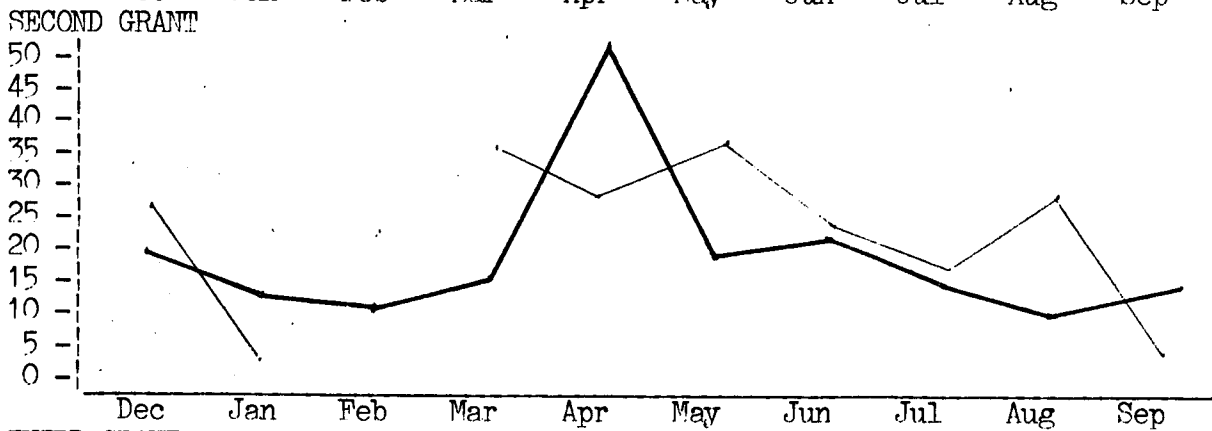
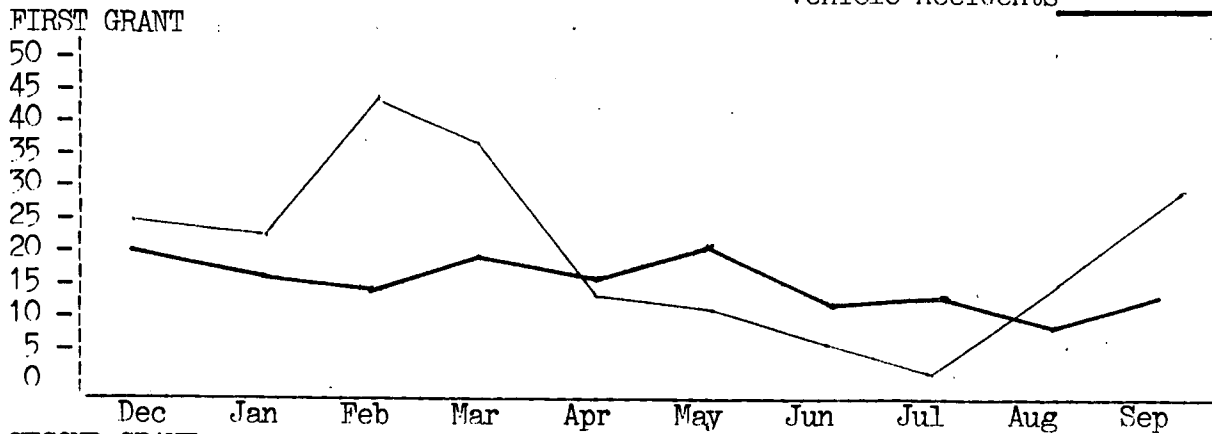


FOURTH GRANT



APPENDIX D - TABLE D-1
 ALCOHOL-RELATED ACCIDENTS
 DWI ARRESTS
 2ND PRECINCT

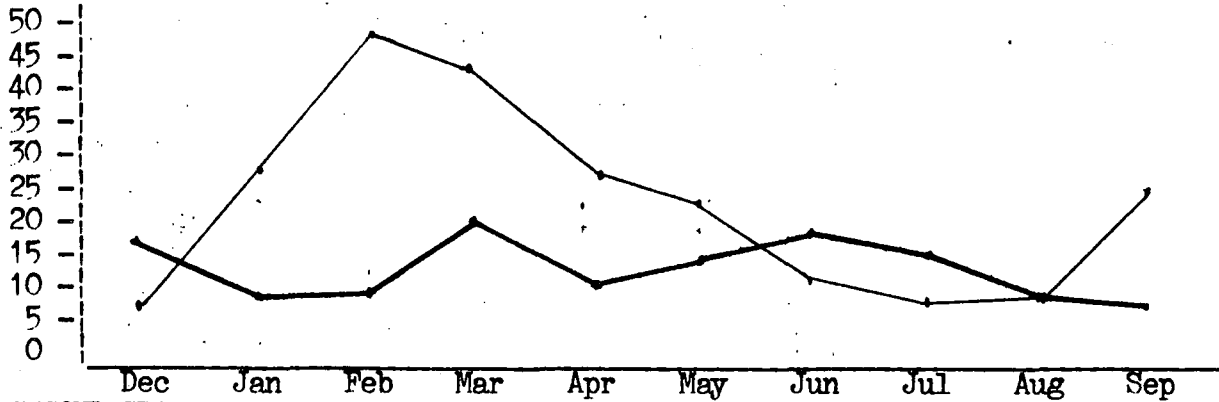
D.W.I. Arrests _____
 Vehicle Accidents _____



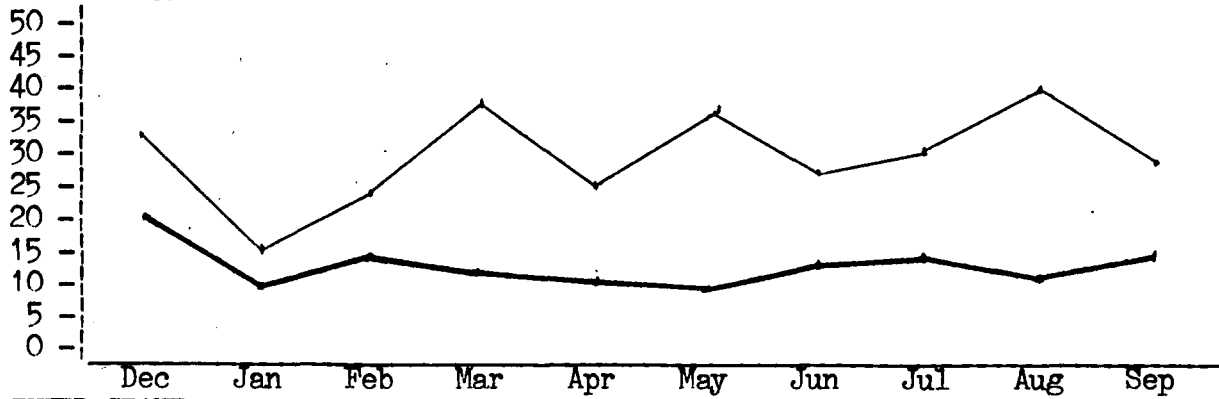
APPENDIX D - TABLE D-1
 ALCOHOL-RELATED ACCIDENTS
 DWI ARRESTS
 3RD PRECINCT

D.W.I. Arrests _____
 Vehicle Accidents _____

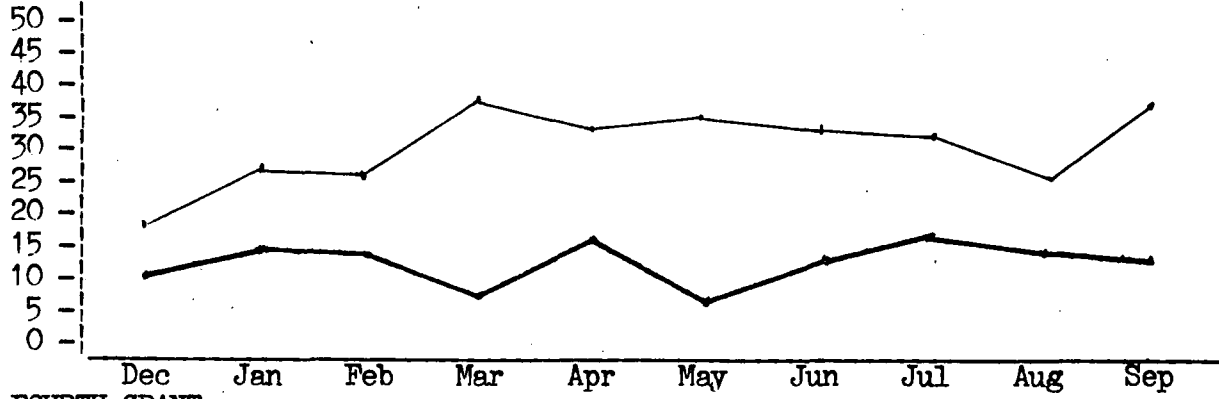
FIRST GRANT



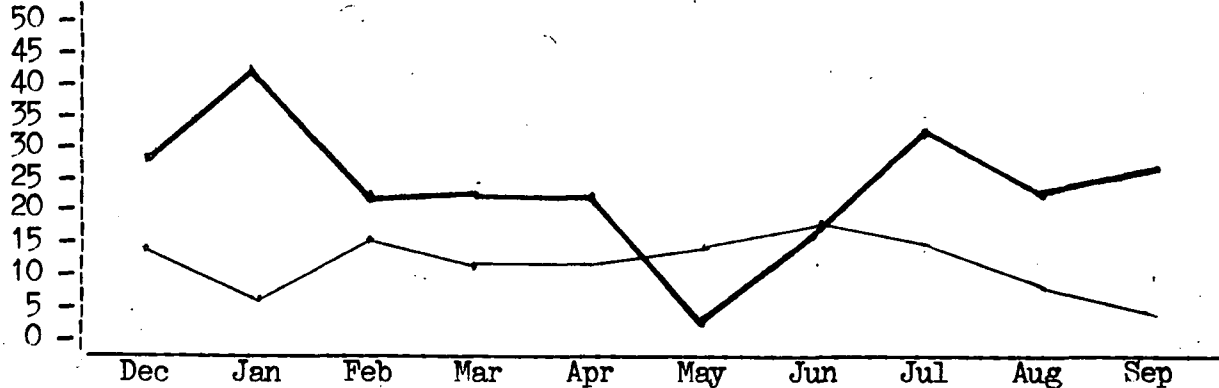
SECOND GRANT



THIRD GRANT

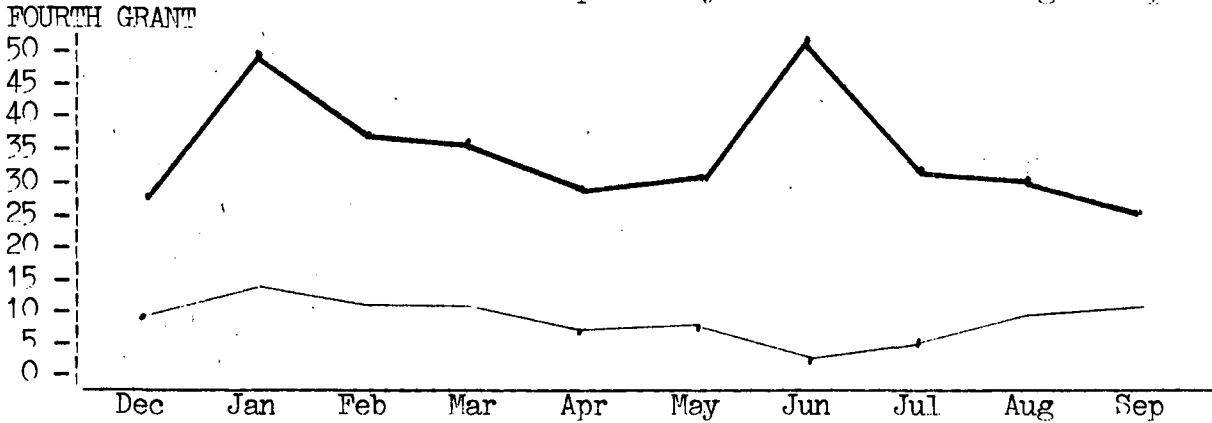
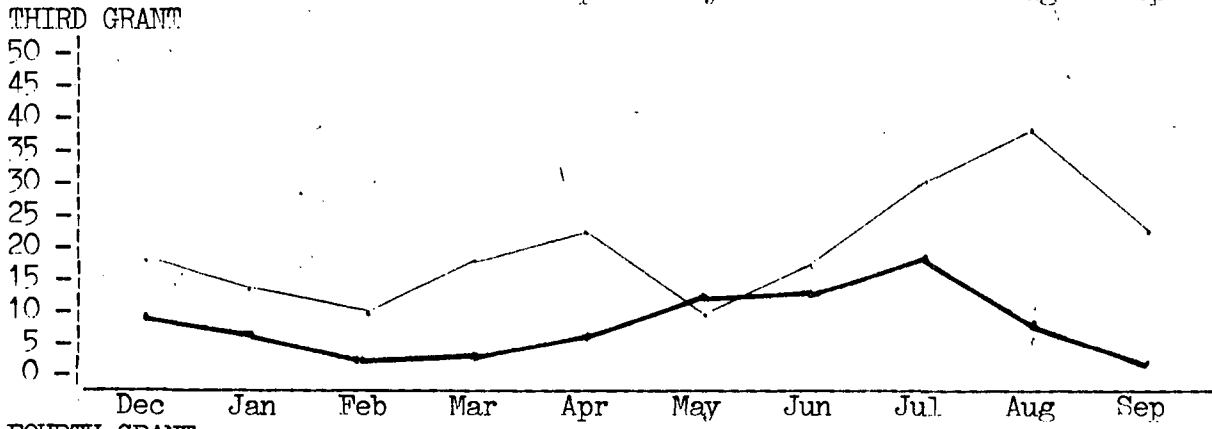
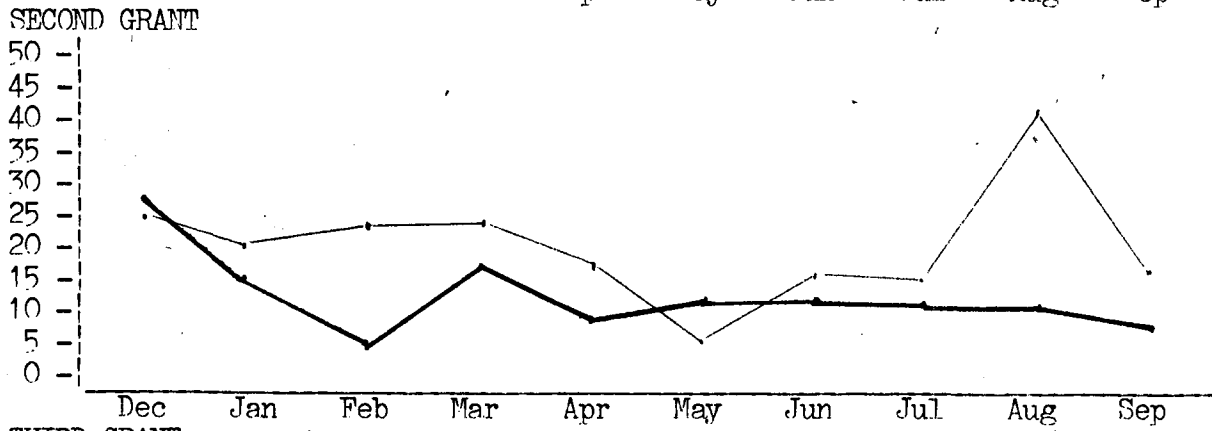
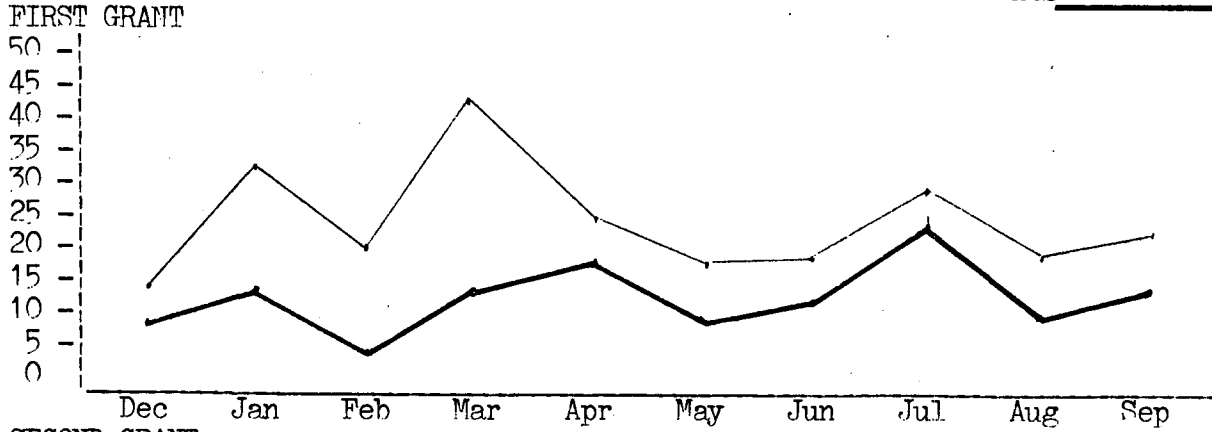


FOURTH GRANT



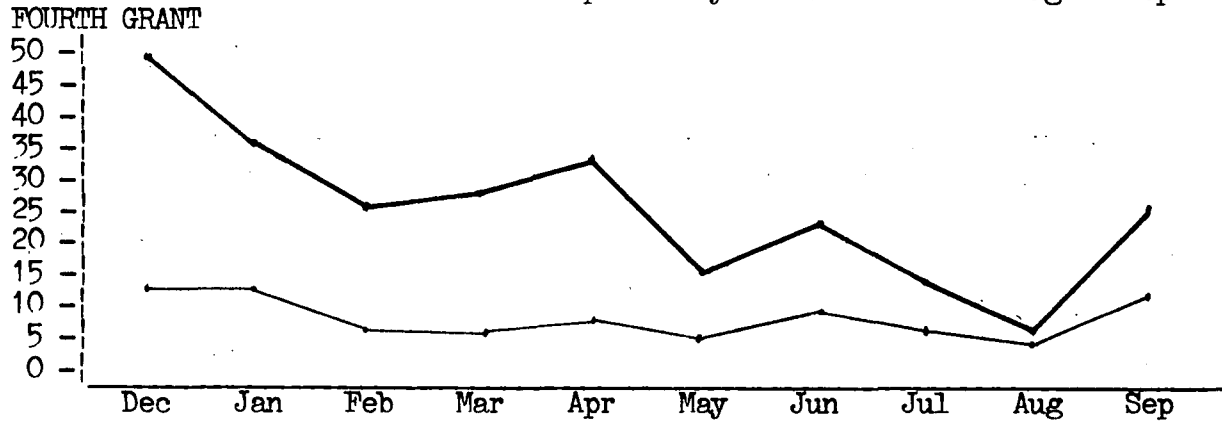
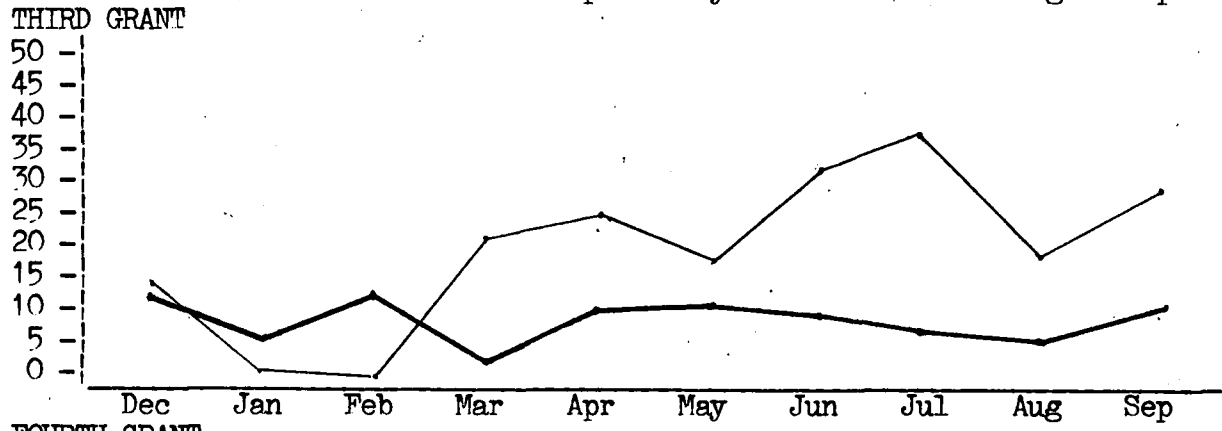
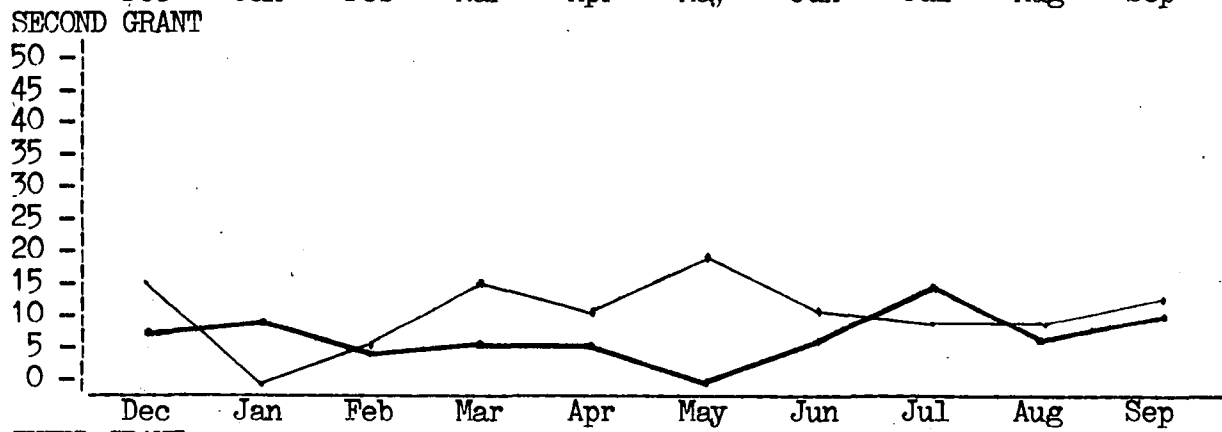
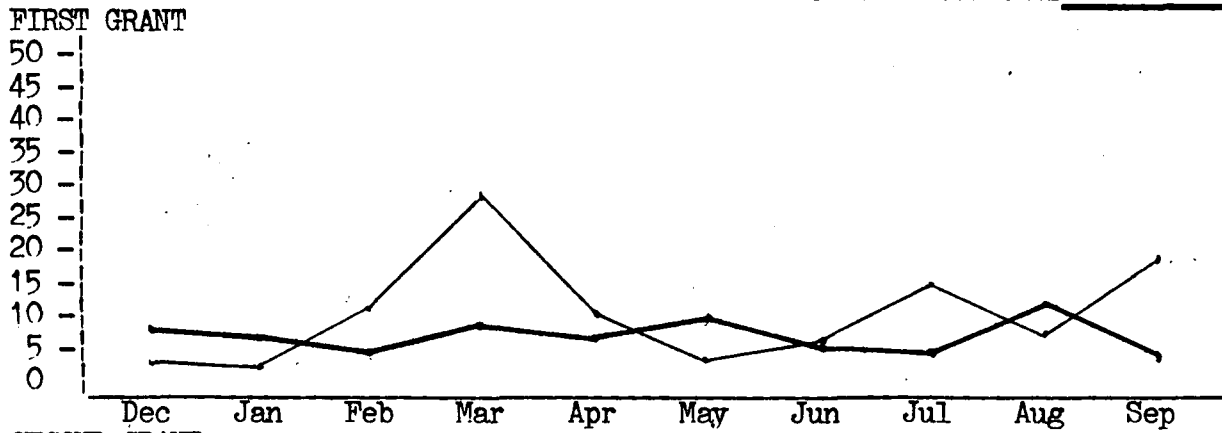
APPENDIX D - TABLE D-1
 ALCOHOL-RELATED ACCIDENTS
 DWI ARRESTS
 4TH PRECINCT

D.W.I. Arrests _____
 Vehicle Accidents _____



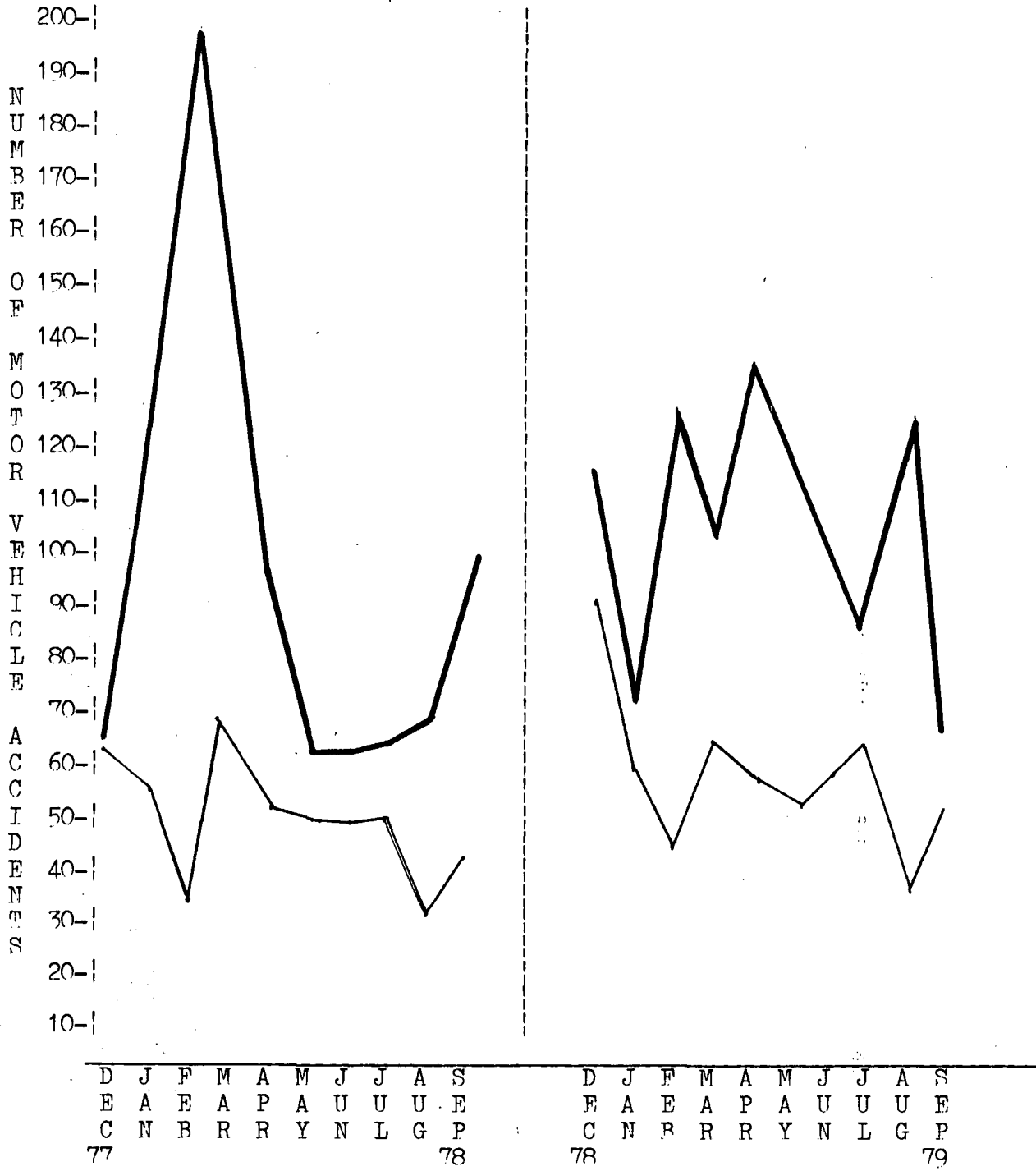
APPENDIX D - TABLE D-1
 ALCOHOL-RELATED ACCIDENTS
 DWI ARRESTS
 5TH PRECINCT

D.W.I. Arrests _____
 Vehicle Accidents _____



APPENDIX D
 TABLE D-2
 ARRESTS/ACCIDENTS FOR
 EACH GRANT PERIOD

DWI Arrests ———
 Vehicle Accidents ———



APPENDIX D
 TABLE D-2
 ARRESTS/ACCIDENTS FOR
 EACH GRANT PERIOD

DWI Arrests ———
 Vehicle Accidents ———

