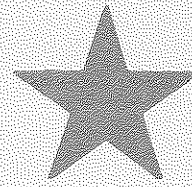


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Statewide



Transportation

Analysis &

Research

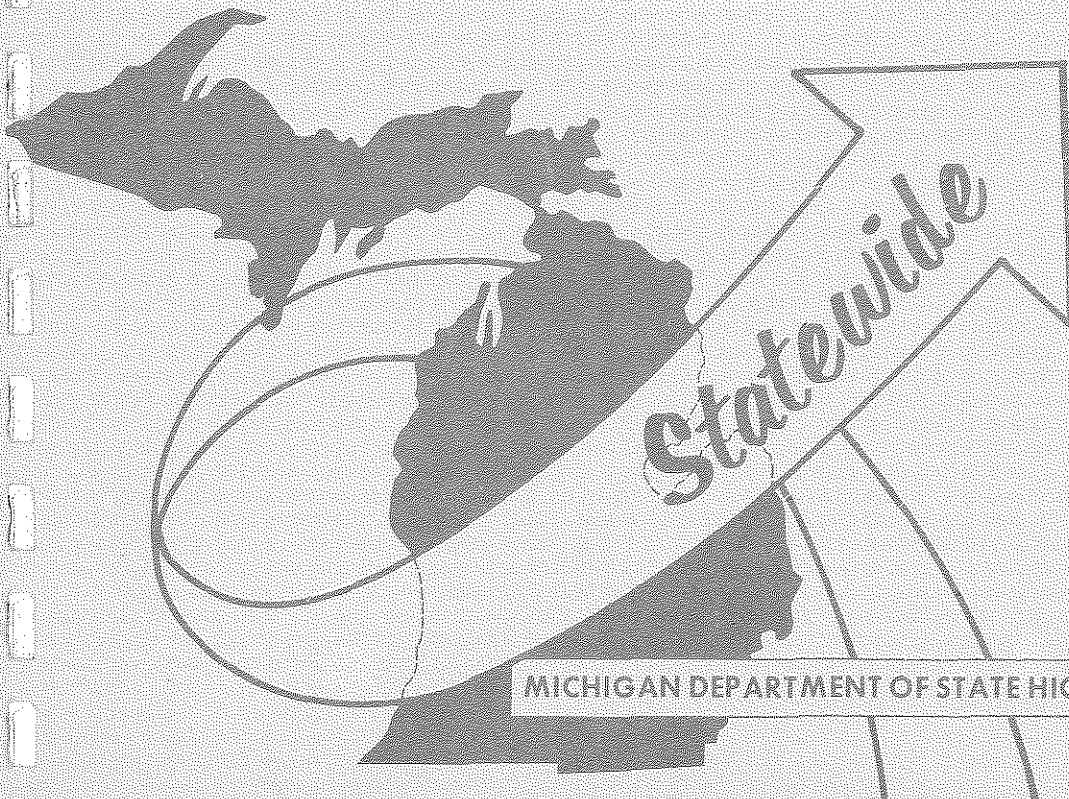
MICHIGAN'S STATEWIDE TRANSPORTATION  
MODELING SYSTEM

REFERENCE HANDBOOK NO. 5

STATE PARK ATTENDANCE TRENDS

TRANSPORTATION PLANNING  
PROCEDURES SECTION

SEPTEMBER 1981



MICHIGAN DEPARTMENT OF STATE HIGHWAYS AND TRANSPORTATION

# MICHIGAN DEPARTMENT OF TRANSPORTATION

## BUREAU OF TRANSPORTATION PLANNING

MICHIGAN'S STATEWIDE TRANSPORTATION  
MODELING SYSTEM

REFERENCE HANDBOOK NO. 5

### STATE PARK ATTENDANCE TRENDS

TRANSPORTATION PLANNING  
PROCEDURES SECTION

SEPTEMBER 1981

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#### DIRECTOR

John P. Woodford

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## STATE PARK ATTENDANCE TRENDS

by

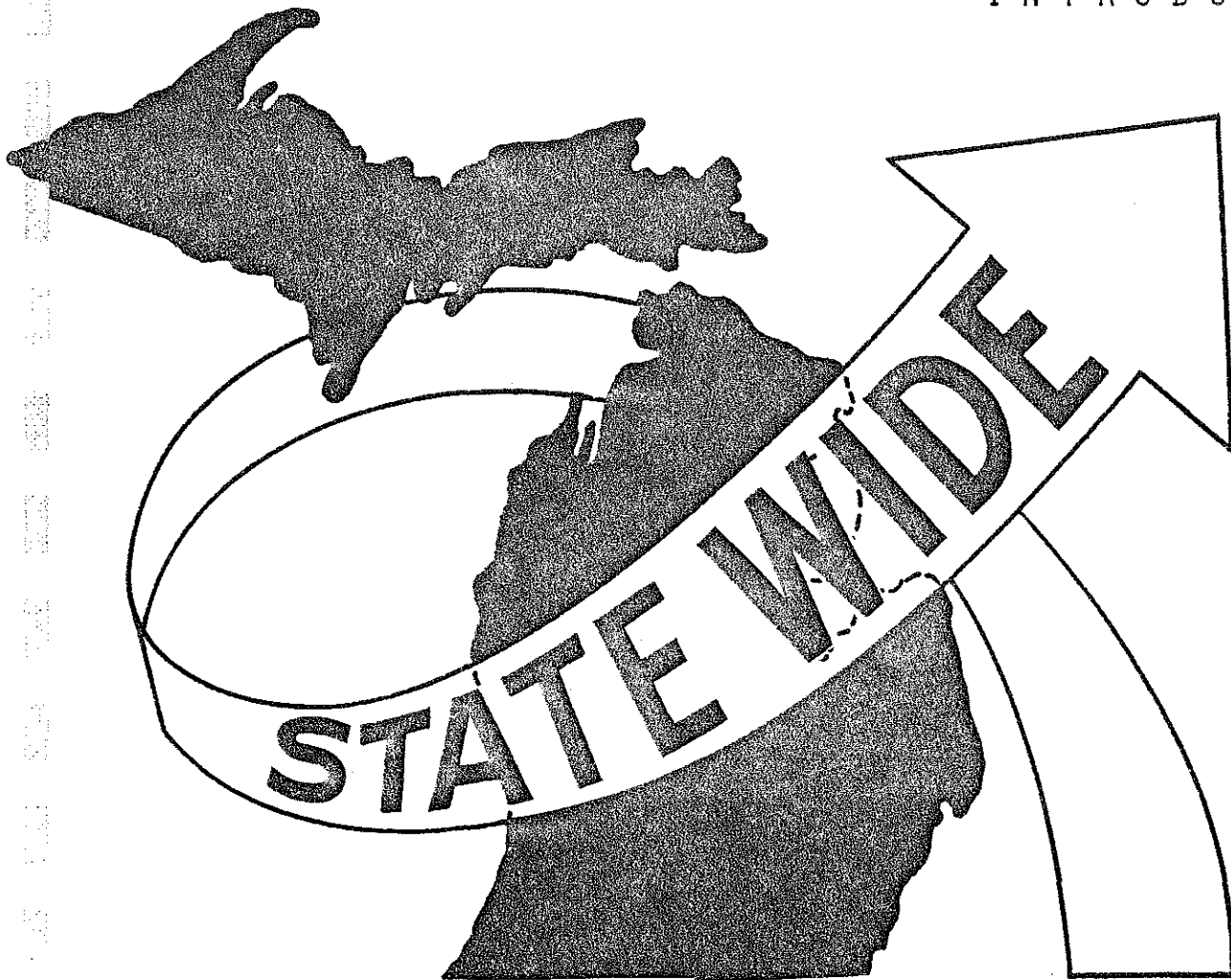
SUSAN HURST

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ACKNOWLEDGEMENTS:

We would like to thank Glen Kraai of the Parks Division, Department of Natural Resources for providing us with the actual attendance figures used in this report as collected by his division.

INTRODUCTION

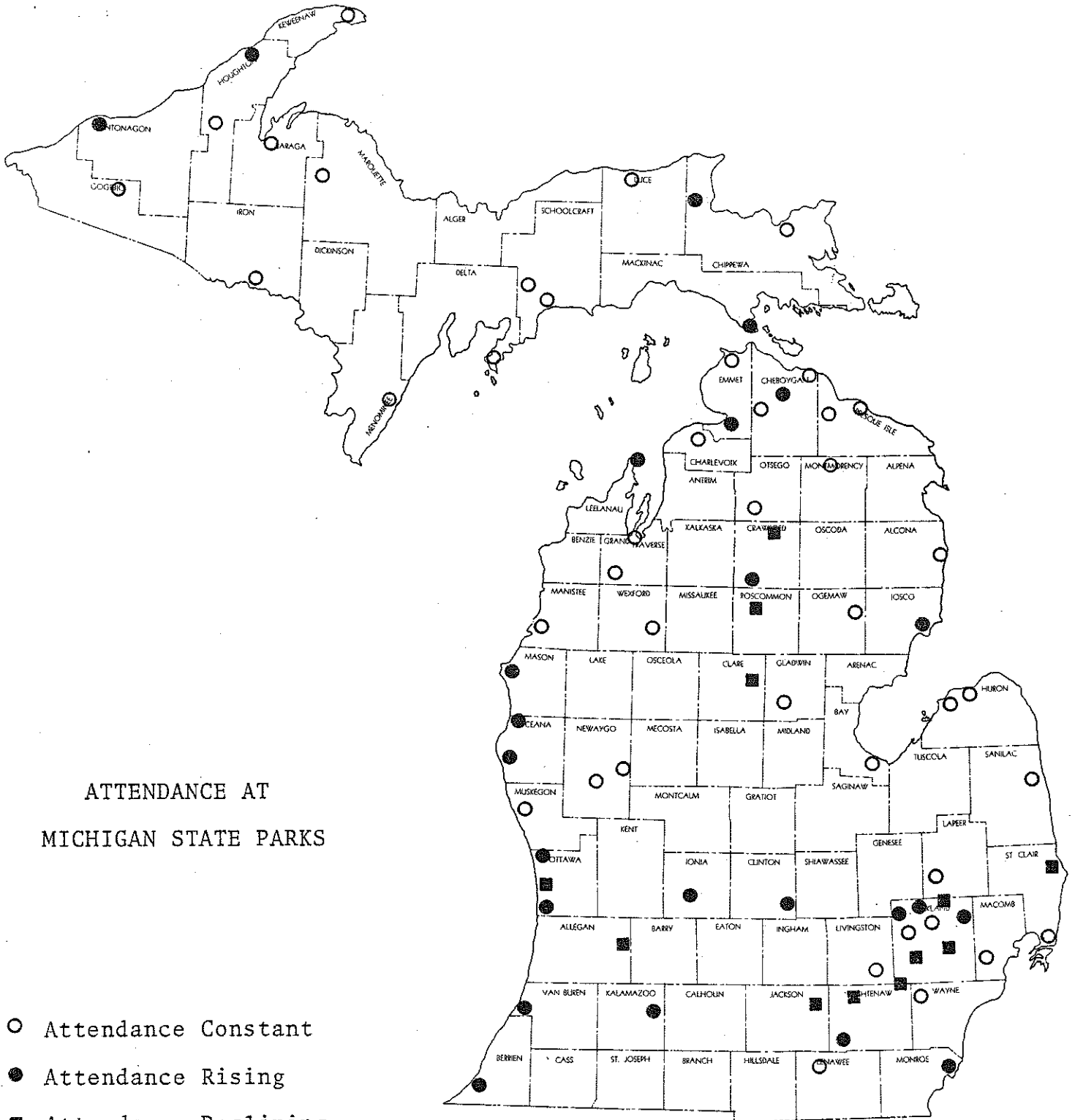


A possible indication of how the energy crisis may have affected recreational travel in Michigan is by examining the attendance at state parks over time. According to Figure 1, most of the parks showing an increase in attendance are located away from the urban centers whereas the parks showing a decrease in attendance are nearer the urban areas. This pattern suggests that people are still driving long distances for recreational purposes, but that the energy situation may have affected short distance travel. This could possibly be occurring because people perceive it may be their last opportunity to take a long distance vacation or trip. Figure 2 depicts the actual attendance levels at each of the parks in 1980 and Figure 3 shows the population distribution.

The graphs were produced using the same minimum and maximum parameters in order to facilitate comparisons. They are grouped according to the state planning regions in which they are located (Figure 4). An alphabetic listing and location map for all the parks are on pages 5A and 5B. The attendance levels at the majority of the parks have remained constant leading to the conclusion that the energy crisis did not significantly impact recreational travel in Michigan to the extent that state park attendance is representative of it.

Other system development and system application reports utilizing the Statewide Transportation Modeling System are listed on pages 6, 7, and 8.

FIGURE 1



ATTENDANCE AT  
MICHIGAN STATE PARKS

- Attendance Constant
- Attendance Rising
- Attendance Declining





FIGURE 3

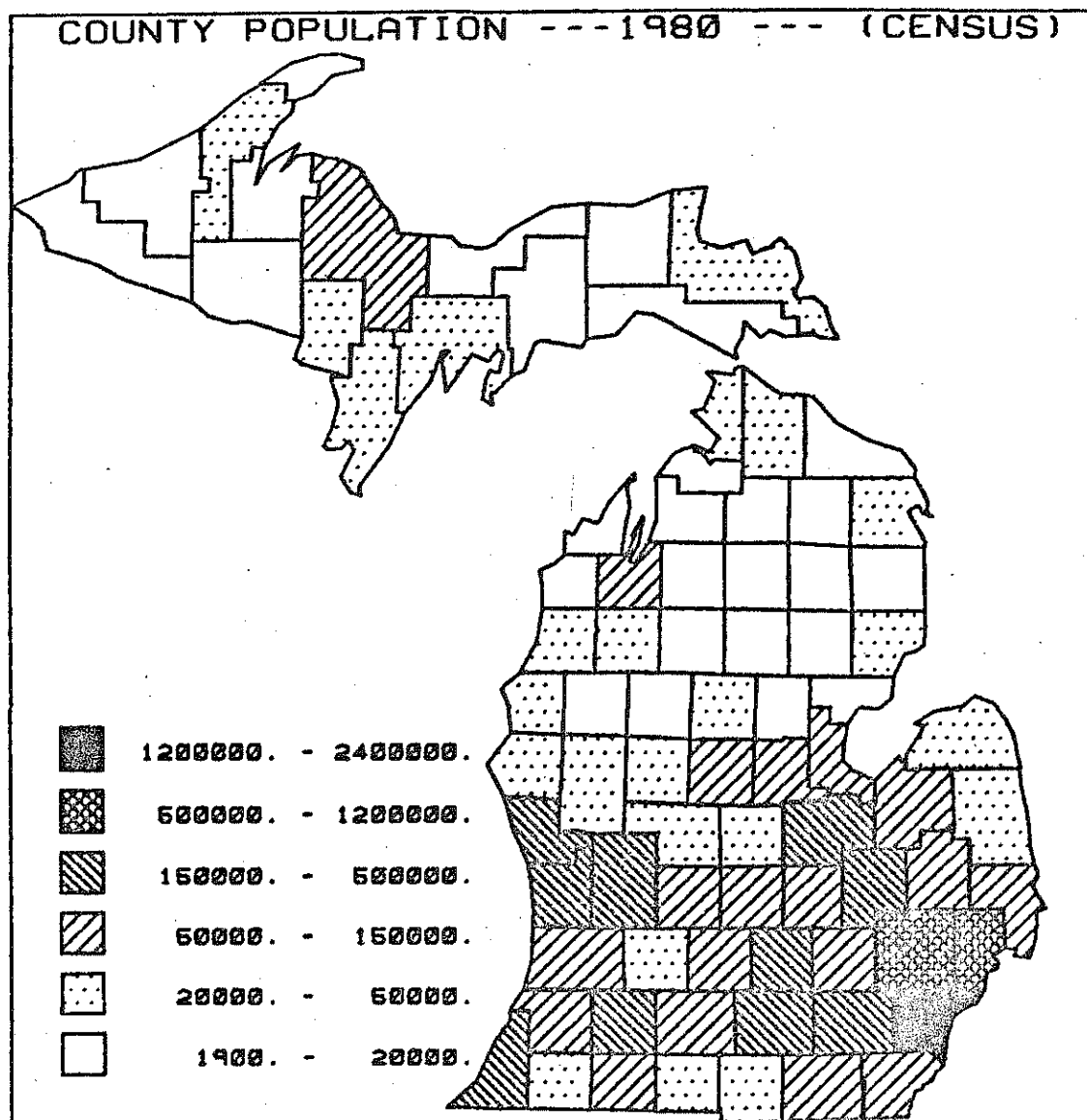
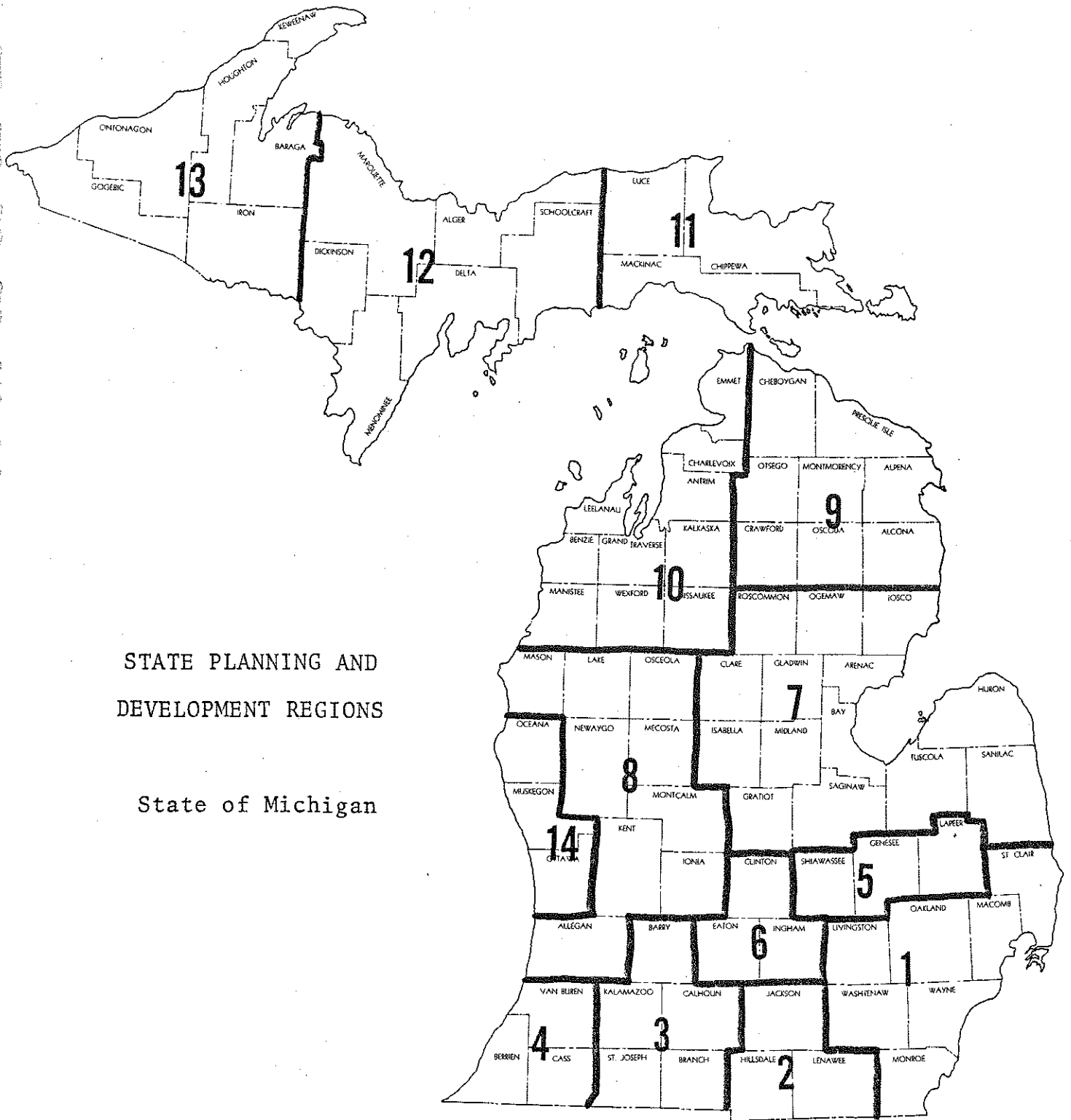


FIGURE 4

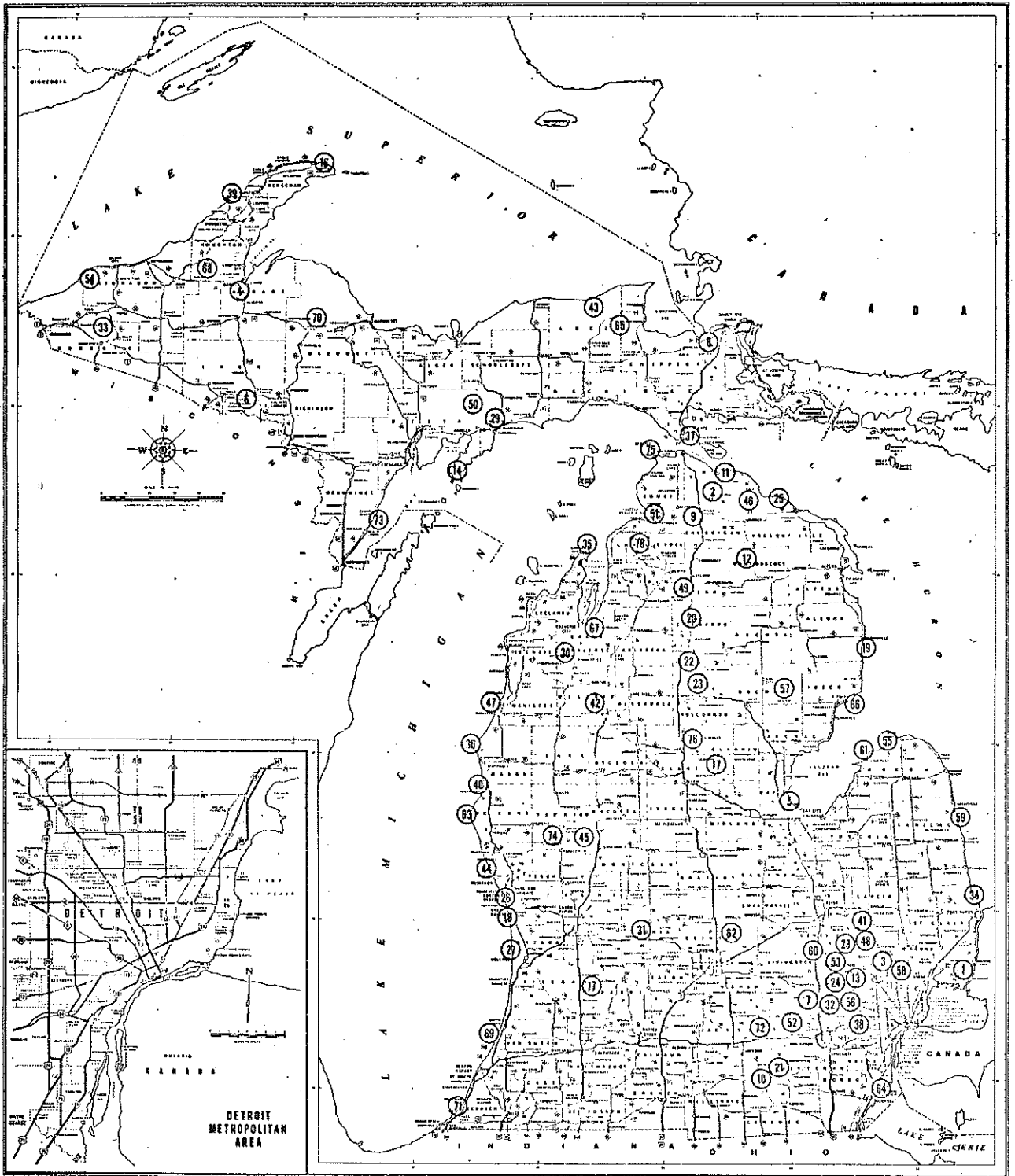


STATE PLANNING AND  
DEVELOPMENT REGIONS

State of Michigan

ALPHABETIC LISTING  
OF STATE PARKS

1. Algonac State Park
2. Aloha State Park
3. Bald Mountain State Park
4. Baraga State Park
5. Bay City State Park
6. Bewabic State Park
7. Brighton State Park
8. Brimley State Park
9. Burt Lake State Park
10. Cambridge Historical State Park
11. Cheboygan State Park
12. Clear Lake State Park
13. Dodge Brothers No. 4 State Park
14. Fayette State Park
15. Fort Custer State Park
16. Fort Wilkins State Park
17. Gladwin State Park
18. Grand Haven State Park
19. Harrisville State Park
20. Hartwick Pines State Park
21. Hayes, Walter J. State Park
22. Higgins Lake, North State Park
23. Higgins Lake, South State Park
24. Highland State Park
25. Hoeft, P. J. State Park
26. Hoffmaster, P. J. State Park
27. Holland State Park
28. Holly State Park
29. Indian Lake State Park
30. Interlochen State Park
31. Ionia State Park
32. Island Lake State Park
33. Lake Gogebic State Park
34. Lakeport State Park
35. Leelanau State Park
36. Ludington State Park
37. Mackinac Straits State Park
38. Maybury Urban State Park
39. McLain, F. J. State Park
40. Mears, Charles State Park
41. Metamora-Hadley State Park
42. Mitchell, William State Park
43. Muskallonge Lake State Park
44. Muskegon State Park
45. Newaygo State Park
46. Onaway State Park
47. Orchard Beach State Park
48. Ortonville State Park
49. Otsego Lake State Park
50. Palms-Book State Park
51. Petoskey State Park
52. Pinckney State Park
53. Pontiac Lake State Park
54. Porcupine Mountains State Park
55. Port Crescent State Park
56. Proud Lake State Park
57. Rifle River State Park
58. Rochester-Utica State Park
59. Sanilac State Park
60. Seven Lakes State Park
61. Sleeper, Albert E. State Park
62. Sleepy Hollow State Park
63. Silver Lake State Park
64. Sterling State Park
65. Tahquemenon Falls State Park
66. Tawas Point State Park
67. Traverse City State Park
68. Twin Lakes State Park
69. Van Buren State Park
70. Van Riper State Park
71. Warren Dunes State Park
72. Waterloo State Park
73. Wells, J. W. State Park
74. White Cloud State Park
75. Wilderness State Park
76. Wilson State Park
77. Yankee Springs State Park
78. Young State Park



MAP OF THE DETROIT METROPOLITAN AREA  
 DETROIT METROPOLITAN AREA  
 DETROIT METROPOLITAN AREA

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- VOLUME I-F - AIR AND NOISE POLLUTION
- VOLUME I-G - PSYCHOLOGICAL IMPACT MODEL
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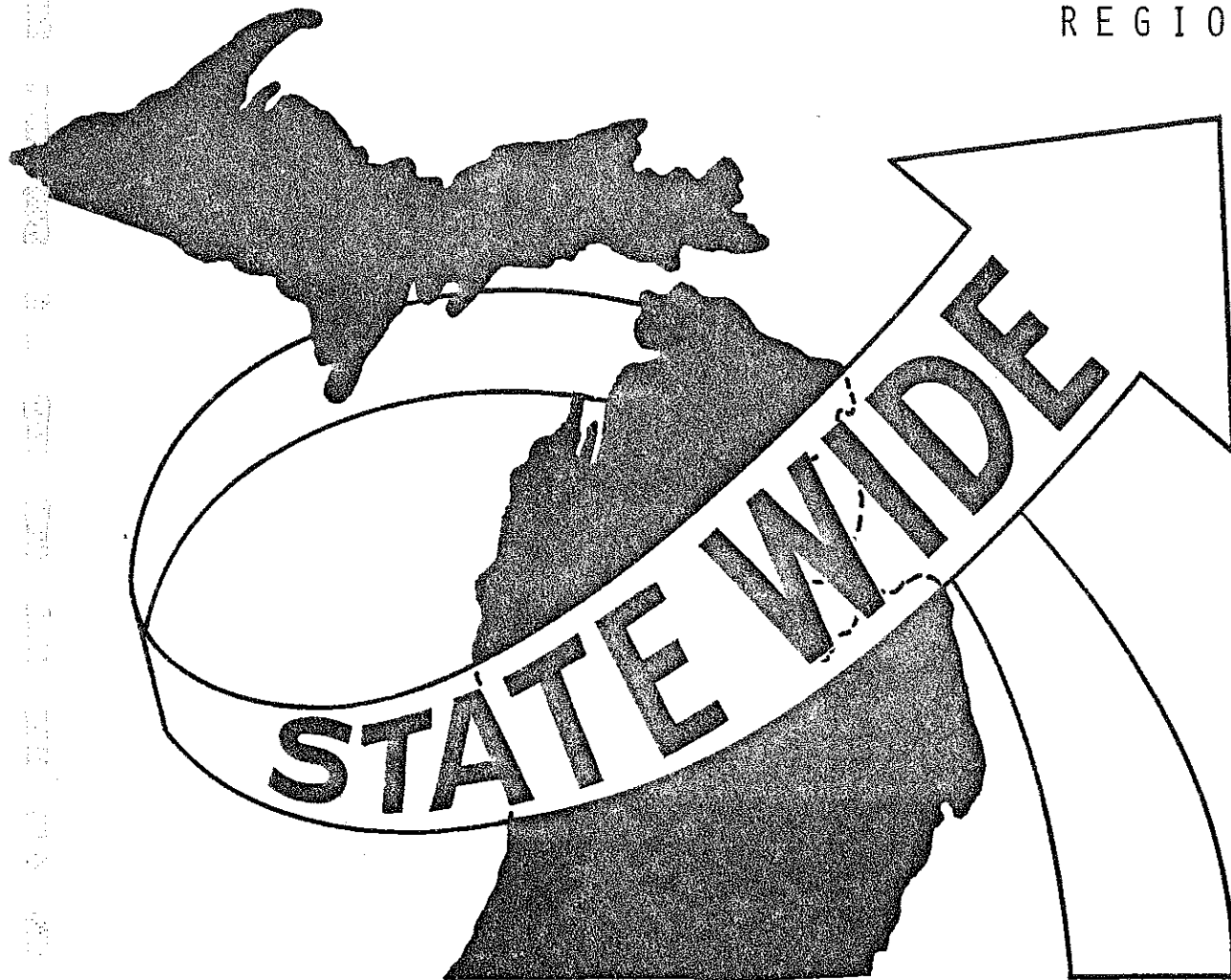
- REPORT 1 - COMMUNITY COLLEGE SERVICE - AREA ANALYSIS
- REPORT 2 - PROXIMITY OF PEOPLE TO GENERAL PURPOSE HOSPITALS
- REPORT 3 - INDUSTRIAL PARK PROXIMITY ANALYSIS
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- REPORT 6 - REGIONAL PARK PROXIMITY ANALYSIS
- REPORT 7 - RIFLE RANGE PROXIMITY ANALYSIS
- REPORT 8 - AMBULANCE SERVICE - AREA ANALYSIS
- REPORT 9 - COMPREHENSIVE STATEWIDE PLANNING
- REPORT 10 - GRAPHIC DISPLAY OF FIXED-OBJECT ACCIDENT DATA
- REPORT 11 - PRELIMINARY INVESTIGATION: A TECHNIQUE FOR THE PROJECTION OF ACCIDENT RATES
- REPORT 12 - IMPACT OF 50, 55, OR 60 M.P.H. STATEWIDE SPEED LIMIT
- REPORT 13 - A METHOD FOR FUNCTIONALLY CLASSIFYING RURAL ARTERIAL HIGHWAYS
- REPORT 14 - ECONOMIC AND TRAVEL IMPACTS OF SPEED LIMIT REDUCTION USING A STATEWIDE TRANSPORTATION MODELING SYSTEM
- REPORT 15 - I-69 IMPACT ON THE ACCESSIBILITY OF HEALTH, FIRE, AND AMBULANCE SERVICES TO RESIDENTIAL AREAS
- REPORT 16 - CRISIS OR OPPORTUNITY: APPLICATION OF AN OPERATIONAL STATEWIDE TRANSPORTATION MODELING SYSTEM
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- REPORT 20 - DEMOGRAPHIC INFORMATION FOR THE NORTHWEST REGION
- REPORT 21 - AMTRAK MARKET AREA ANALYSIS - SYSTEM APPLICATION

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## STATEWIDE SYSTEM REFERENCE HANDBOOKS

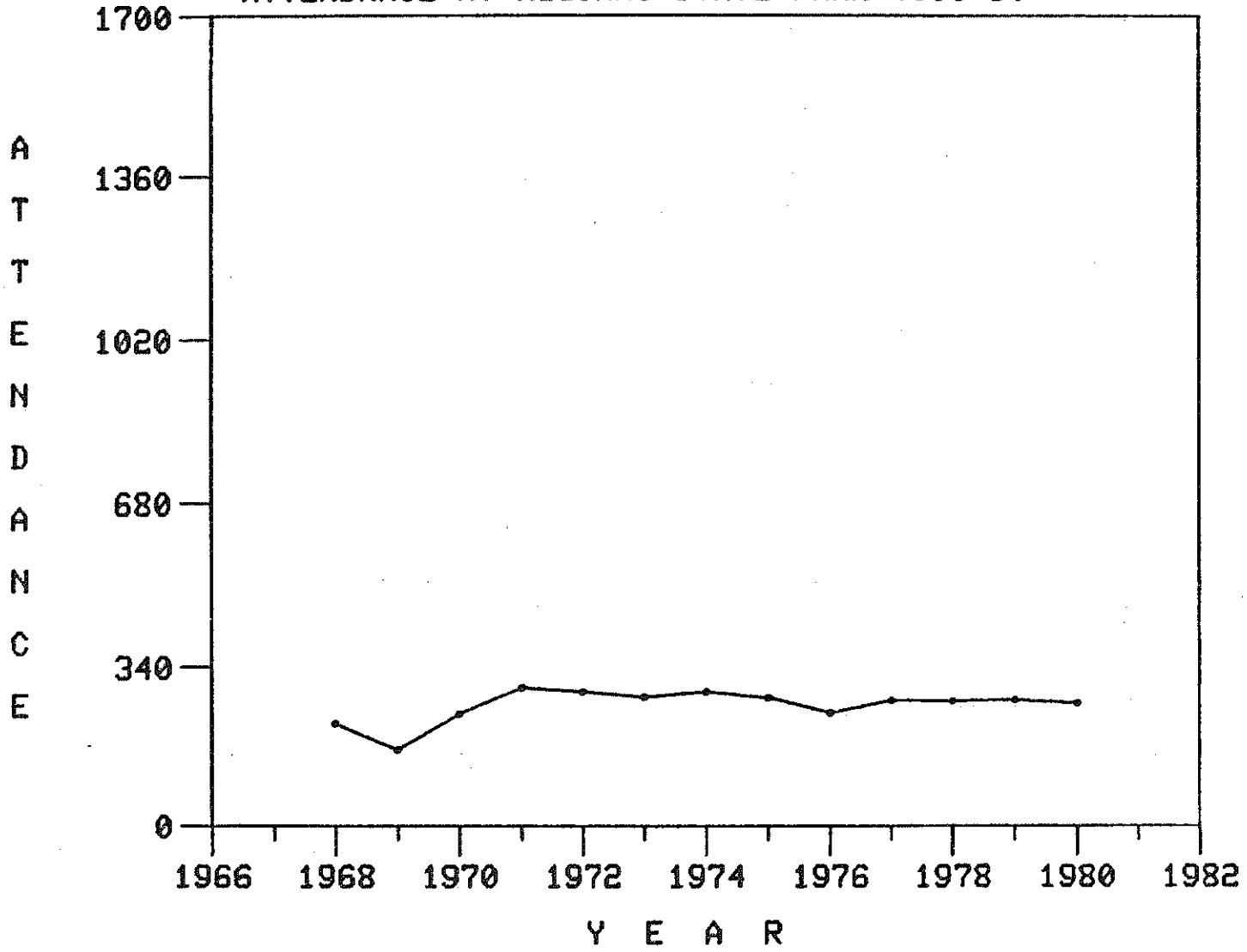
- REFERENCE HANDBOOK #1 - STATEWIDE BUS TICKET SURVEY TRAVEL CHARACTERISTICS
- REFERENCE HANDBOOK #2 - MICHIGAN'S PERMANENT TRAFFIC RECORDER TRENDS - POTENTIAL APPLICATION IN TRANSPORTATION PLANNING - ENERGY ANALYSIS
- REFERENCE HANDBOOK #3 - MINOR ORIGIN & DESTINATION TRAVEL CHARACTERISTICS - PART A

REGION 1

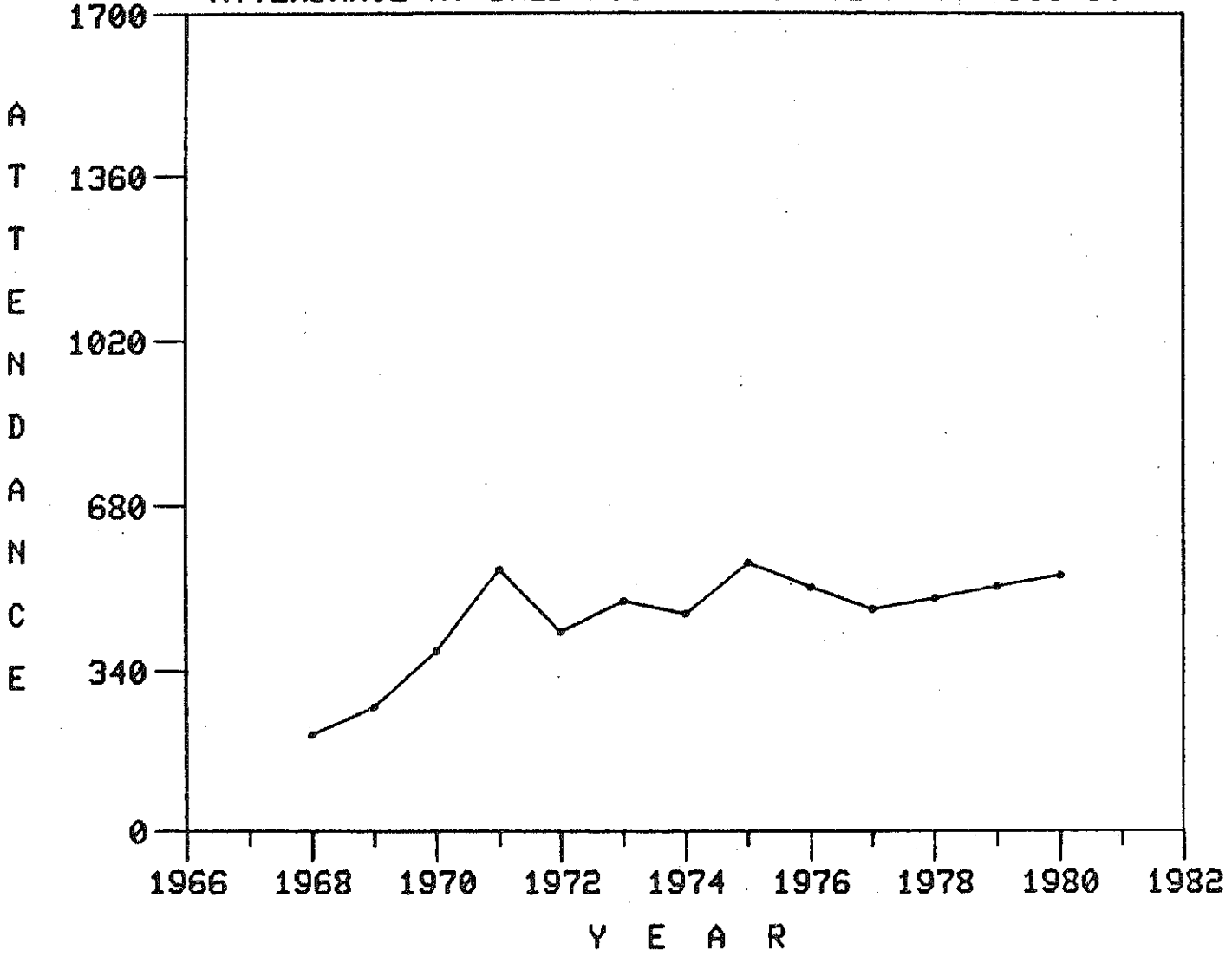




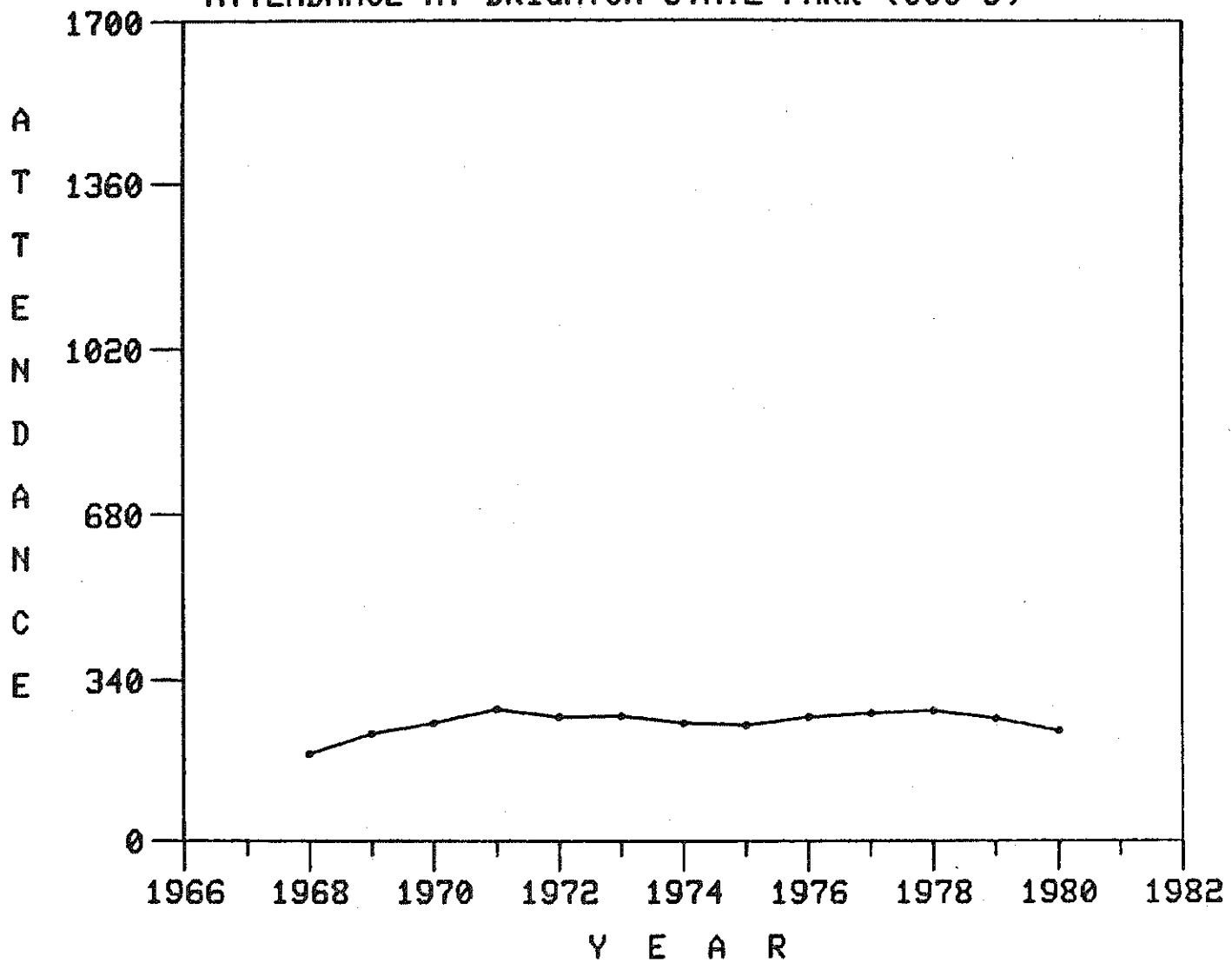
ATTENDANCE AT ALGONAC STATE PARK (000'S)



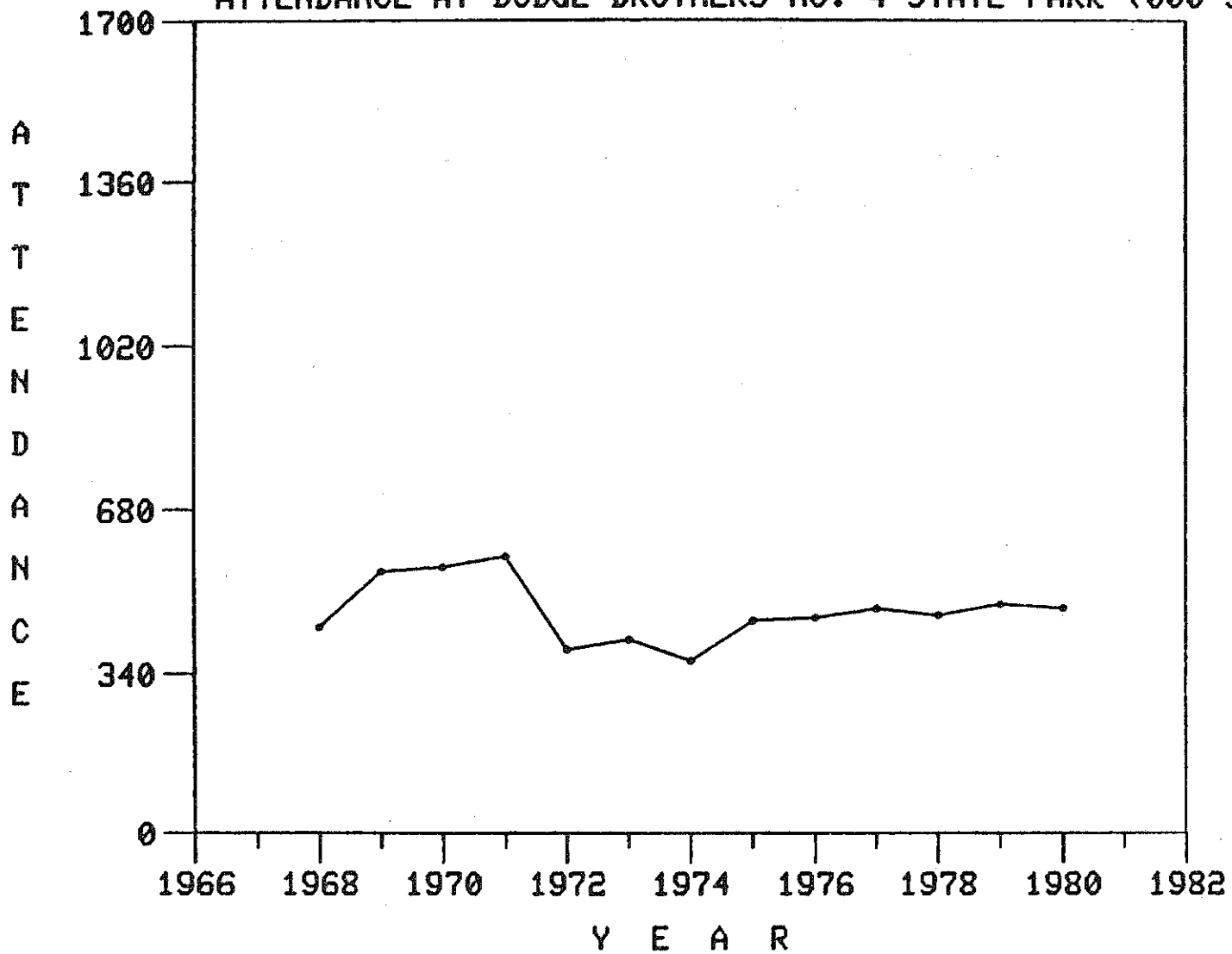
ATTENDANCE AT BALD MOUNTAIN STATE PARK (000'S)



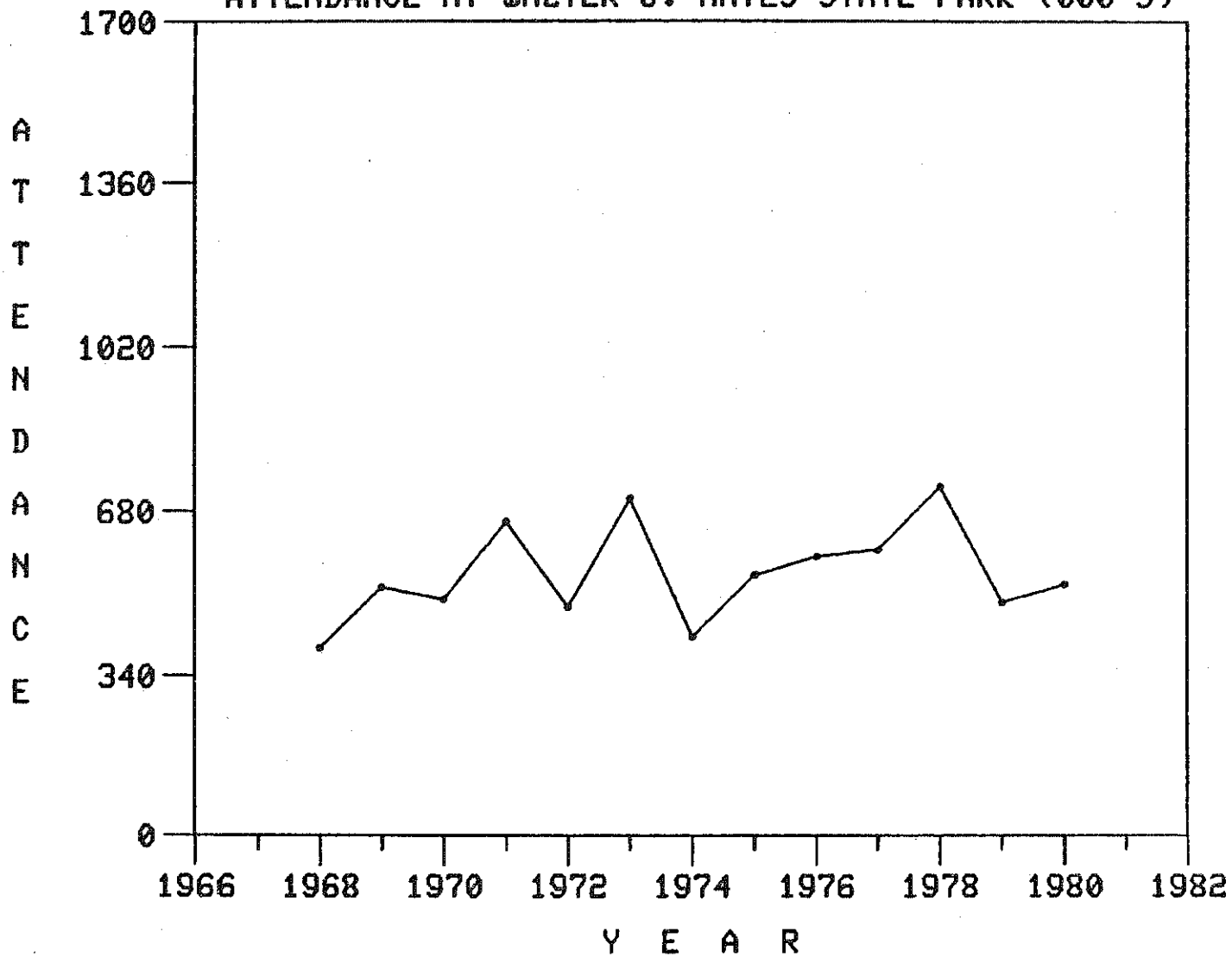
ATTENDANCE AT BRIGHTON STATE PARK (000'S)



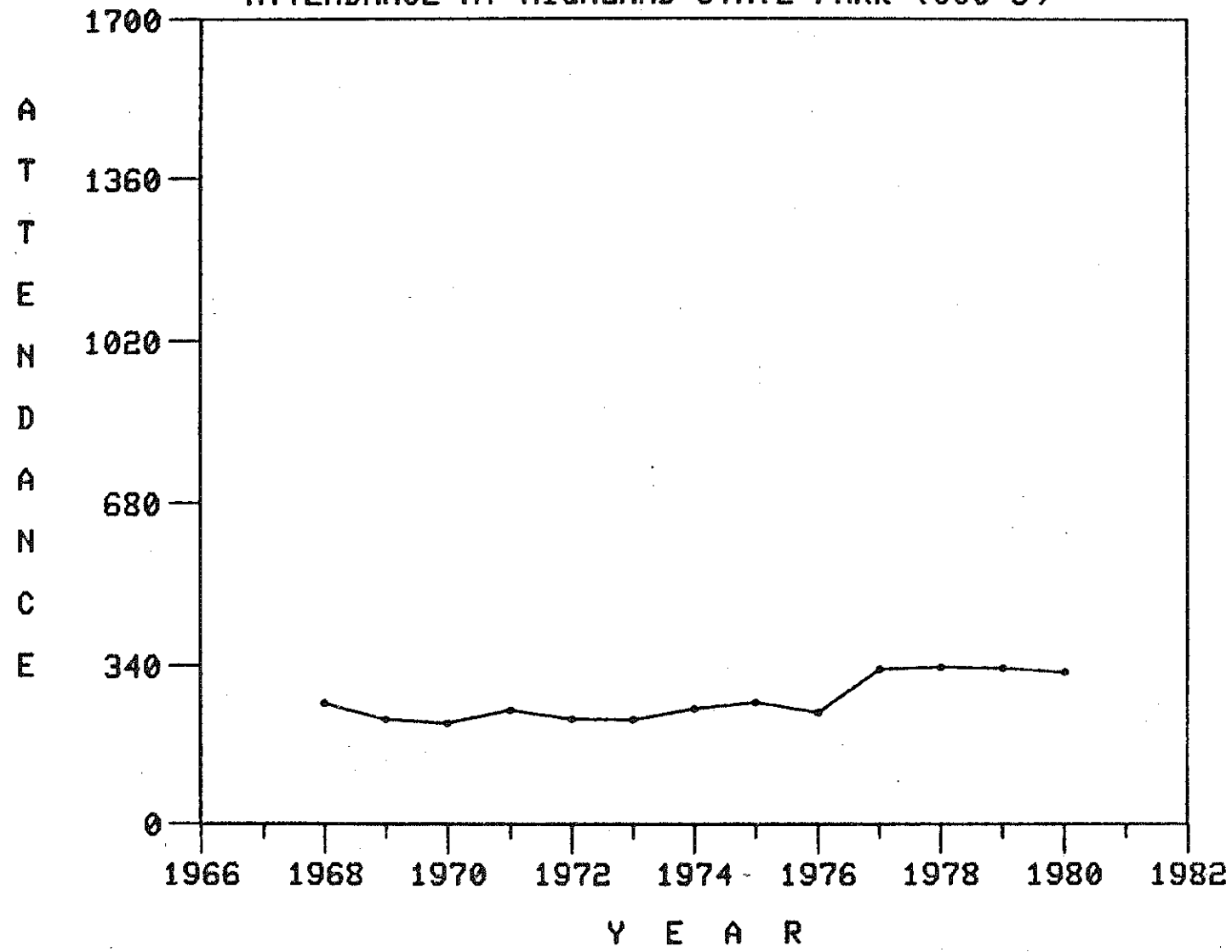
ATTENDANCE AT DODGE BROTHERS NO. 4 STATE PARK (000'S)



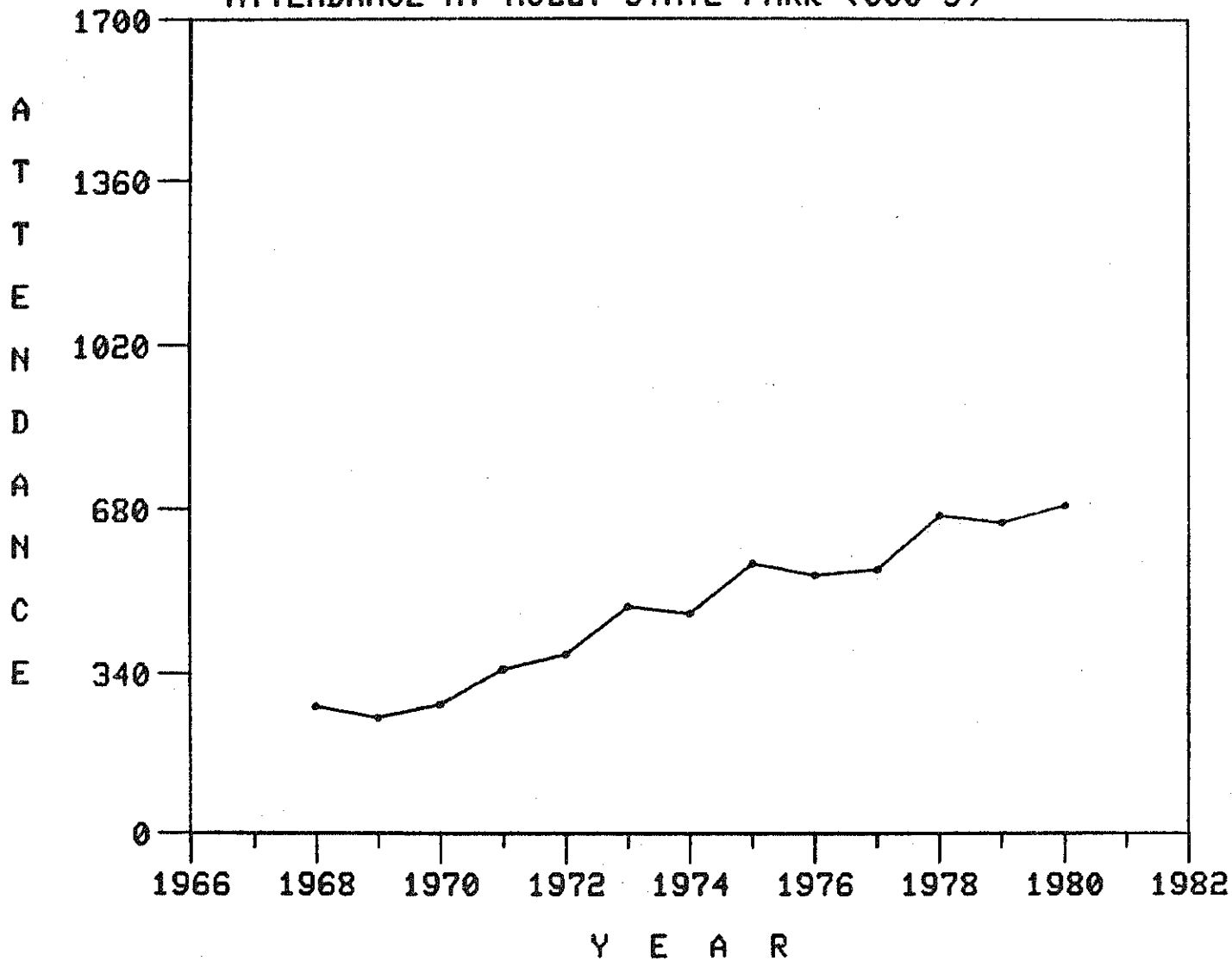
ATTENDANCE AT WALTER J. HAYES STATE PARK (000'S)

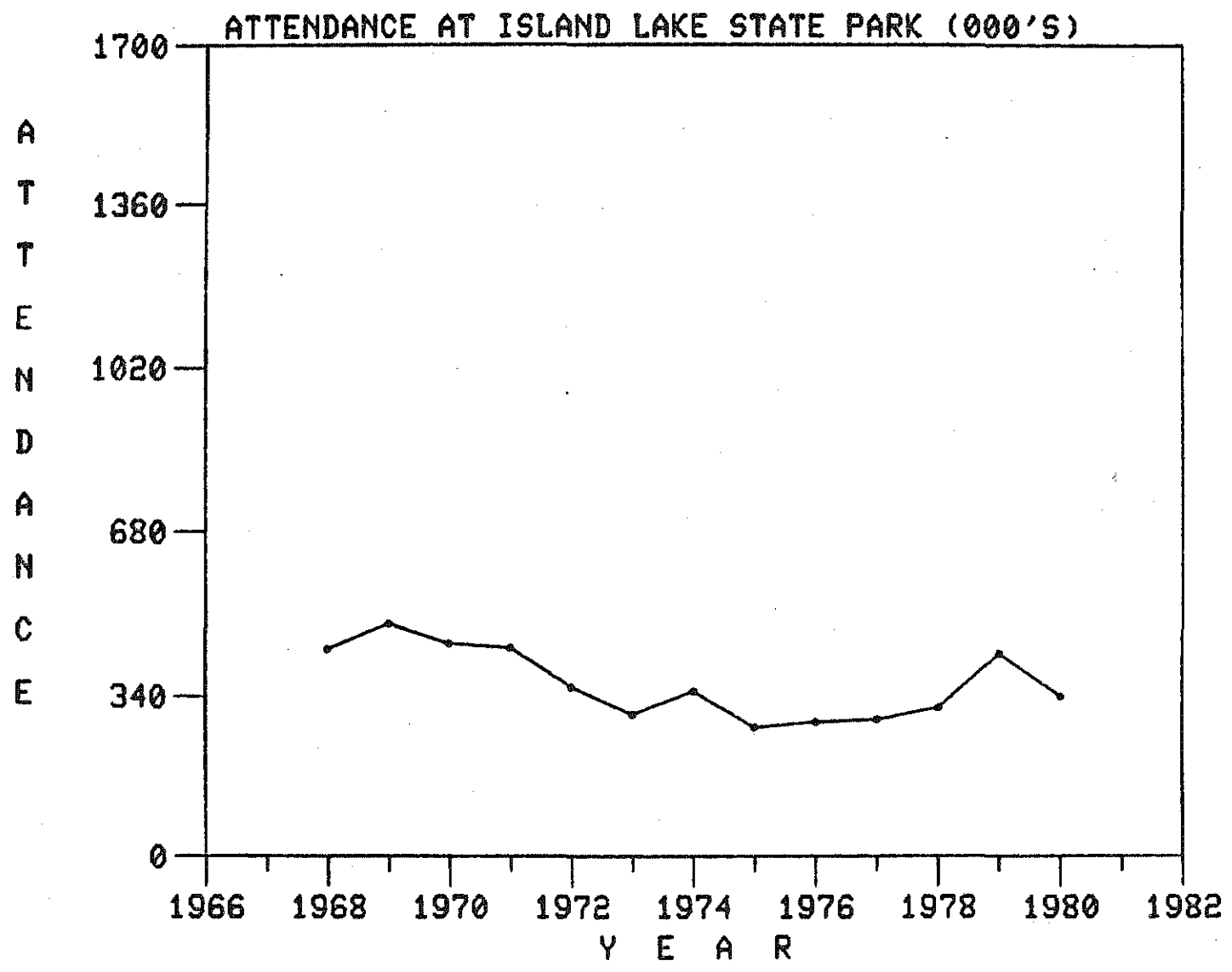


ATTENDANCE AT HIGHLAND STATE PARK (000'S)

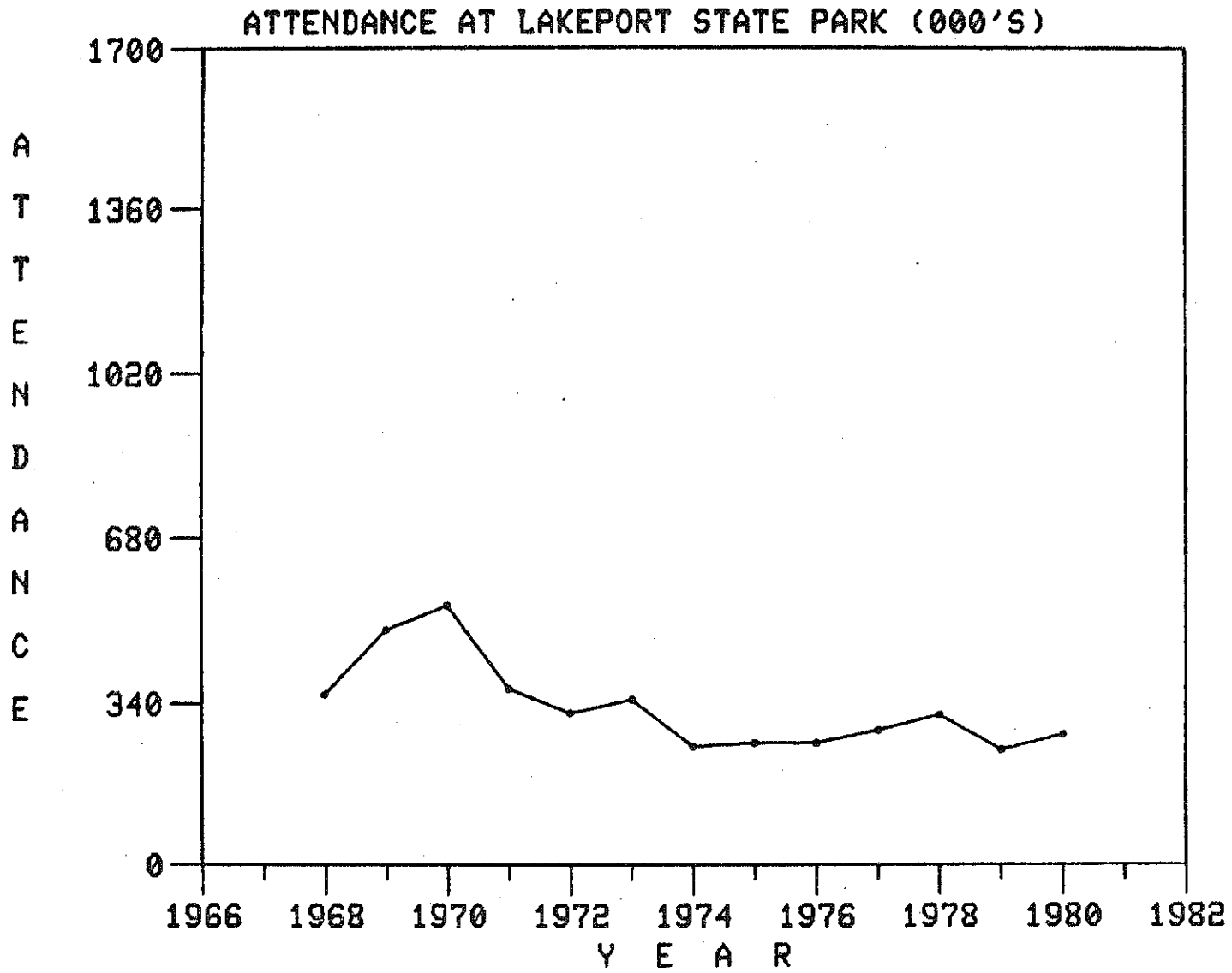


ATTENDANCE AT HOLLY STATE PARK (000'S)

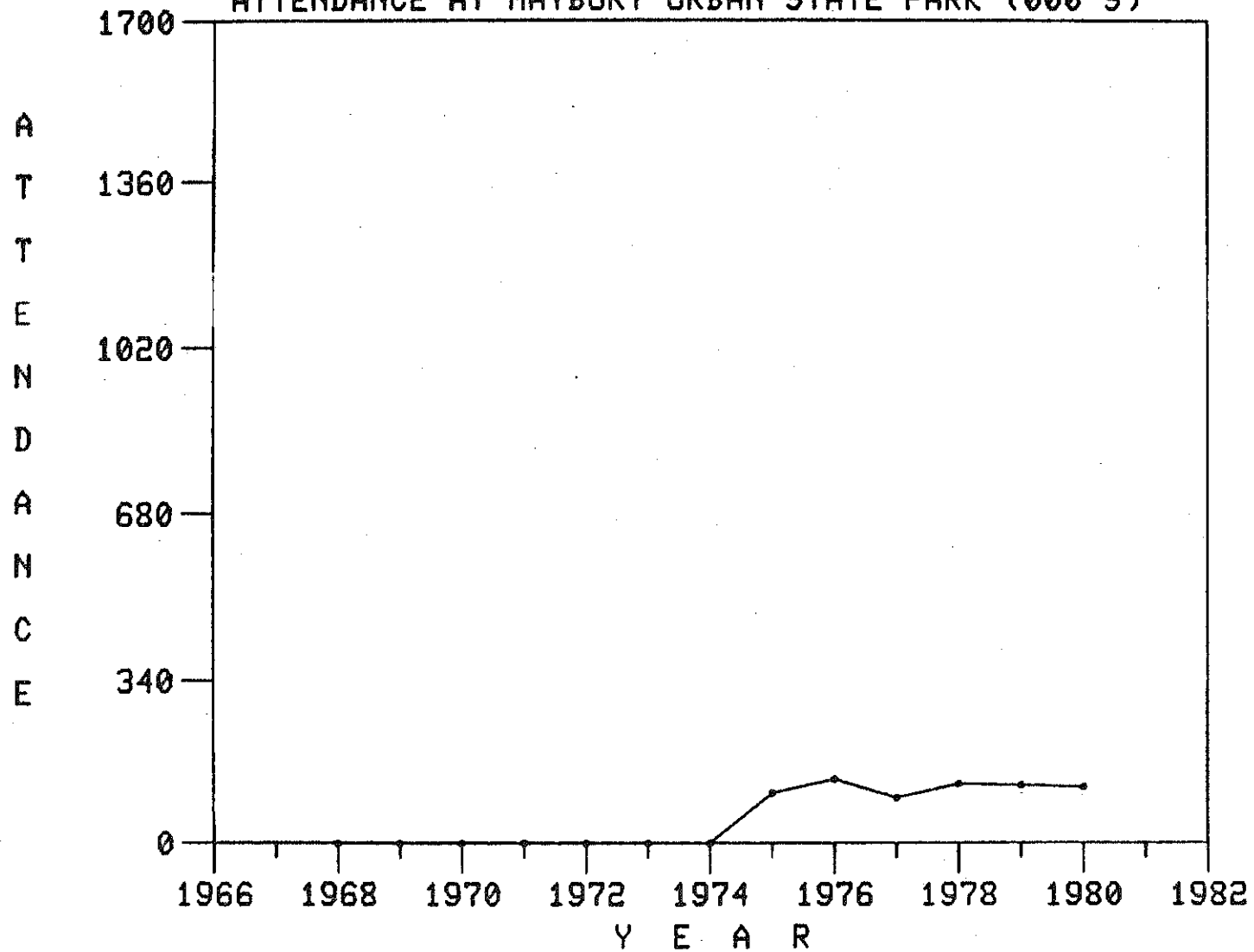




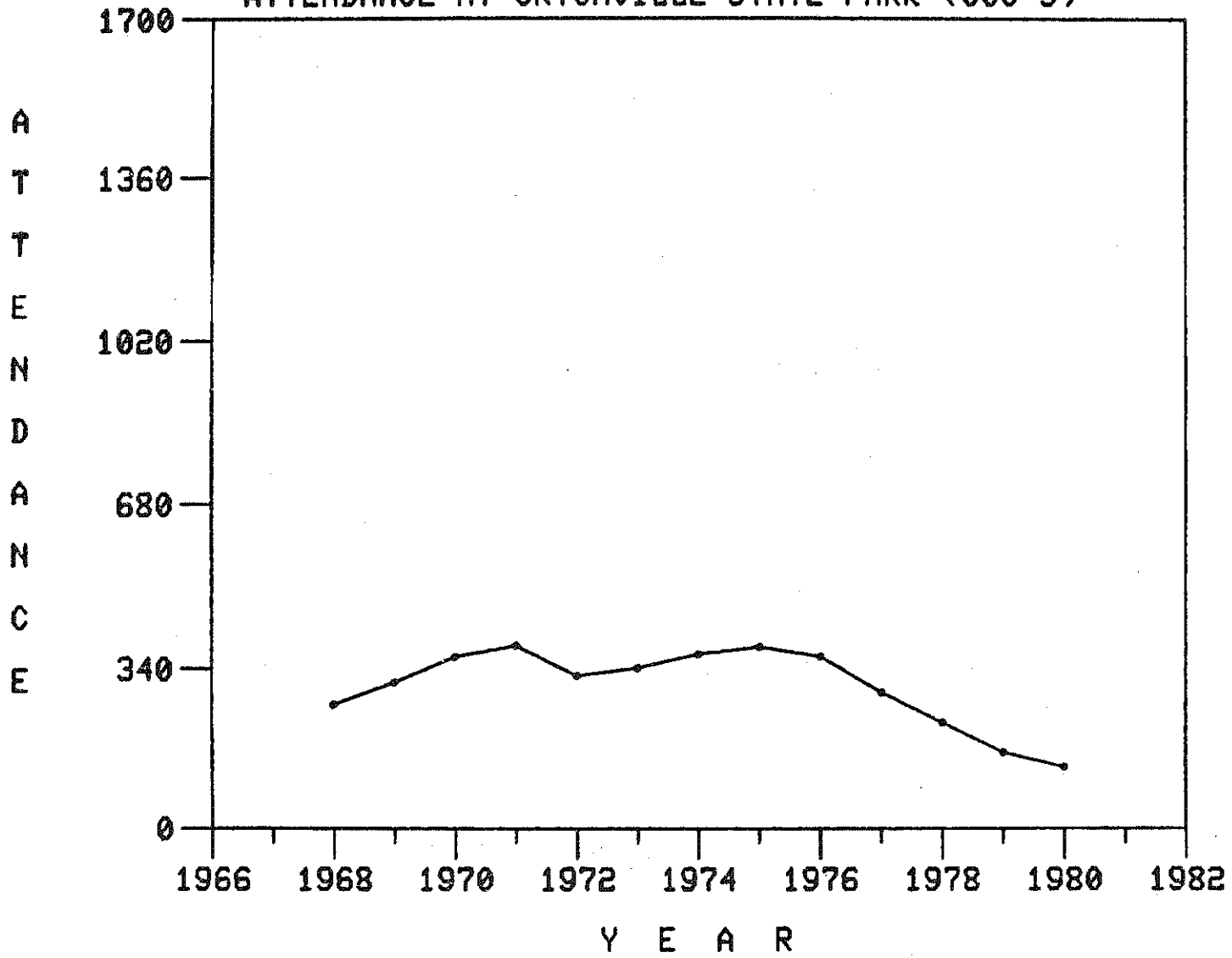




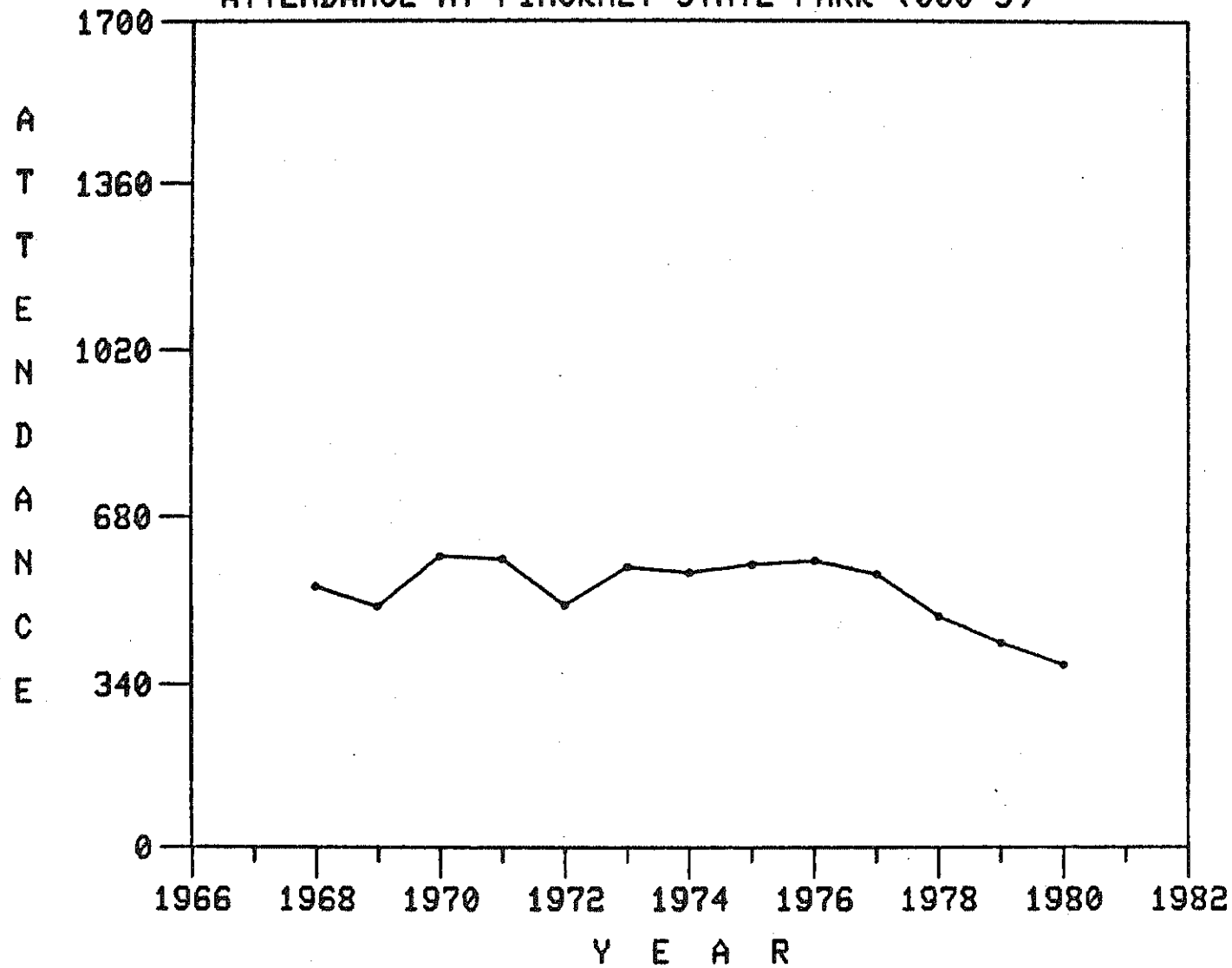
ATTENDANCE AT MAYBURY URBAN STATE PARK (000'S)



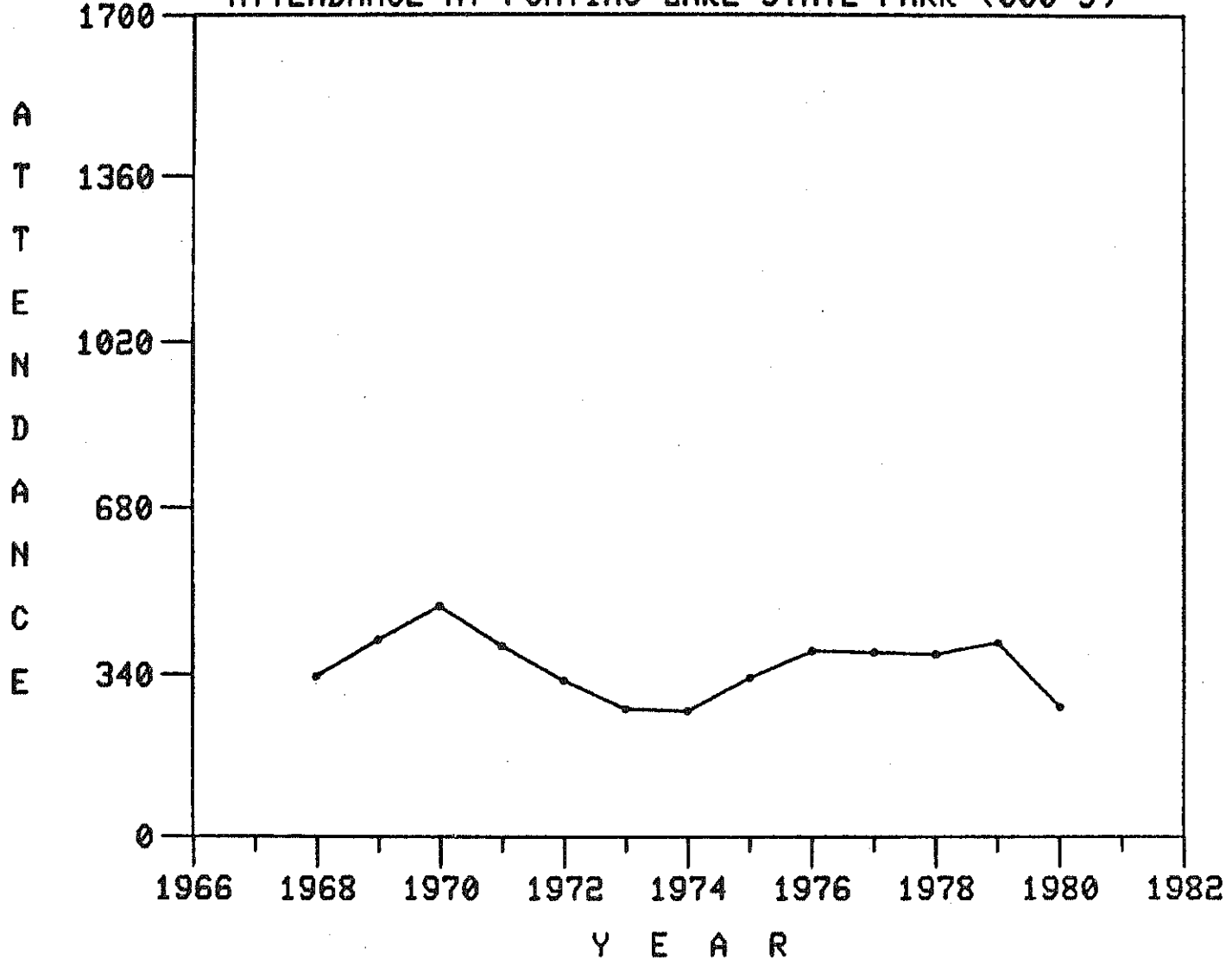
ATTENDANCE AT ORTONVILLE STATE PARK (000'S)



ATTENDANCE AT PINCKNEY STATE PARK (000'S)

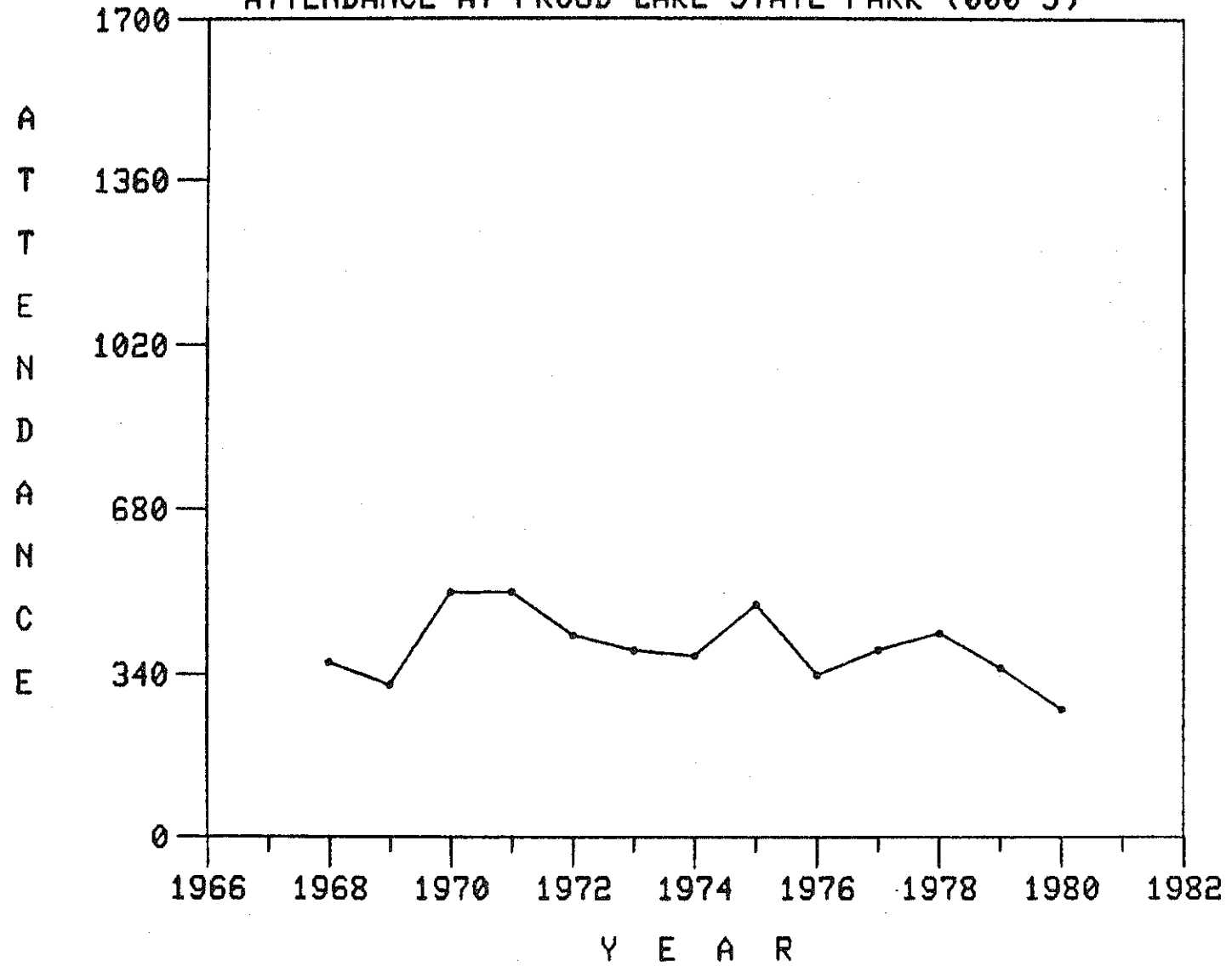


ATTENDANCE AT PONTIAC LAKE STATE PARK (000'S)

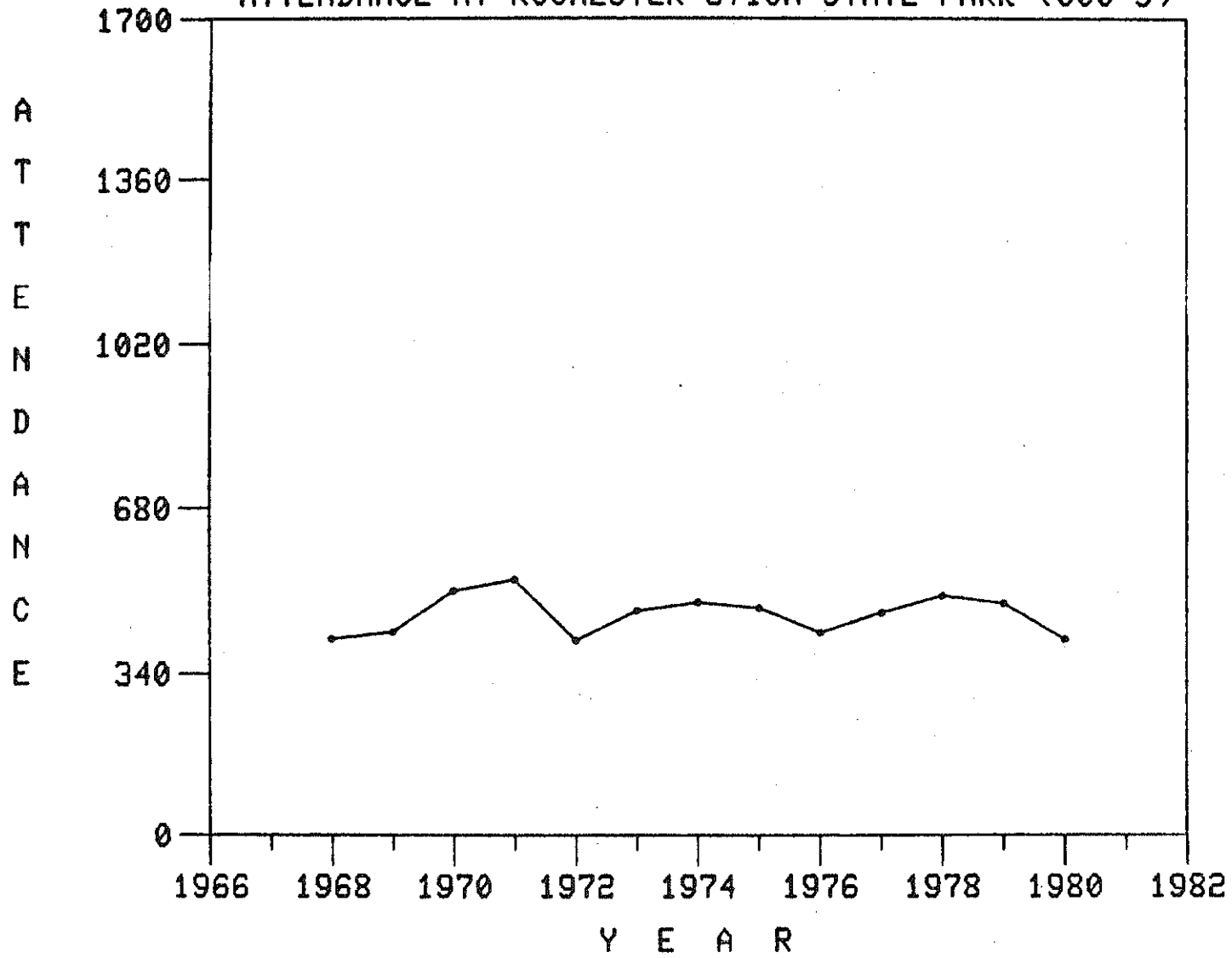


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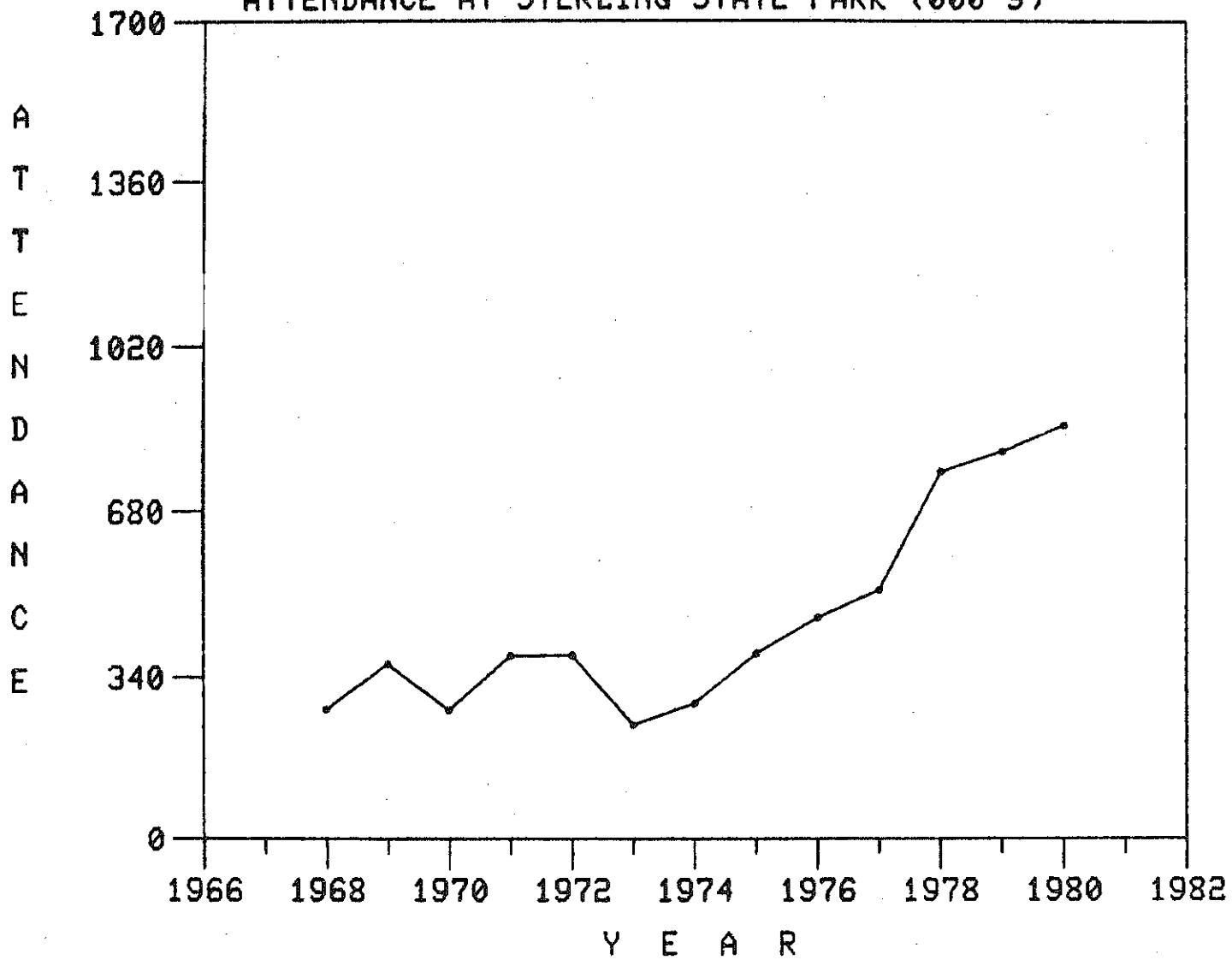
ATTENDANCE AT PROUD LAKE STATE PARK (000'S)



ATTENDANCE AT ROCHESTER-UTICA STATE PARK (000'S)

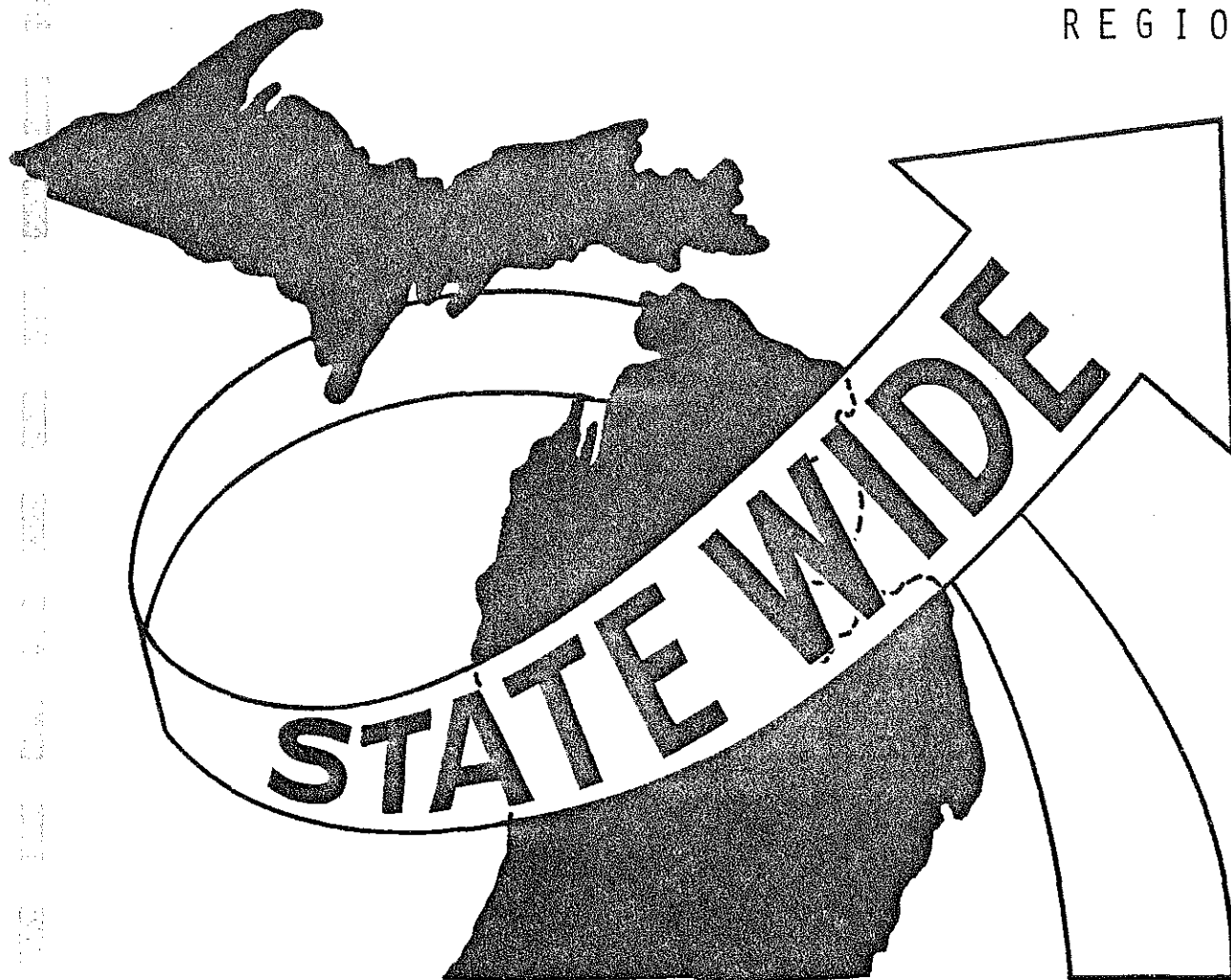


ATTENDANCE AT STERLING STATE PARK (000'S)

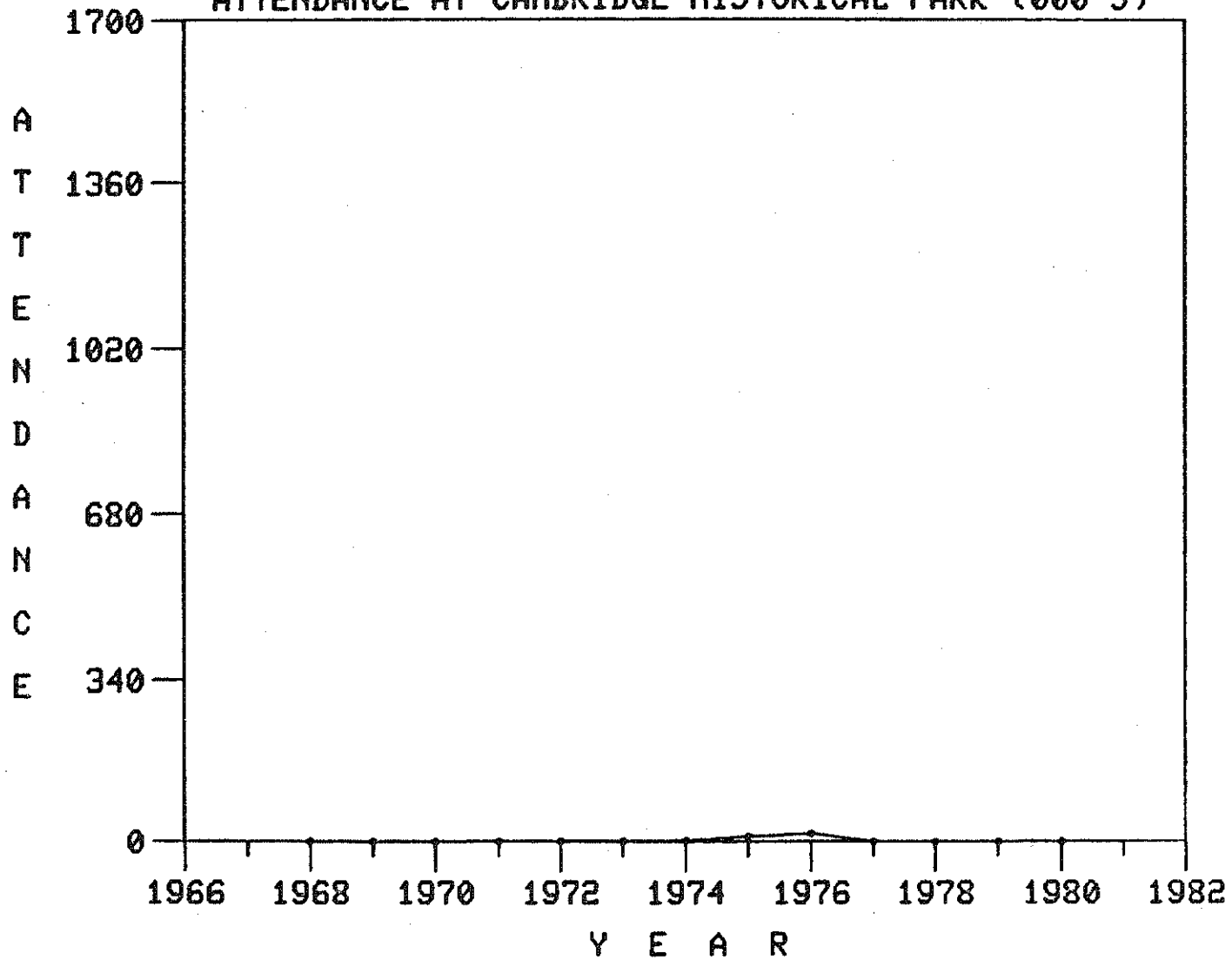


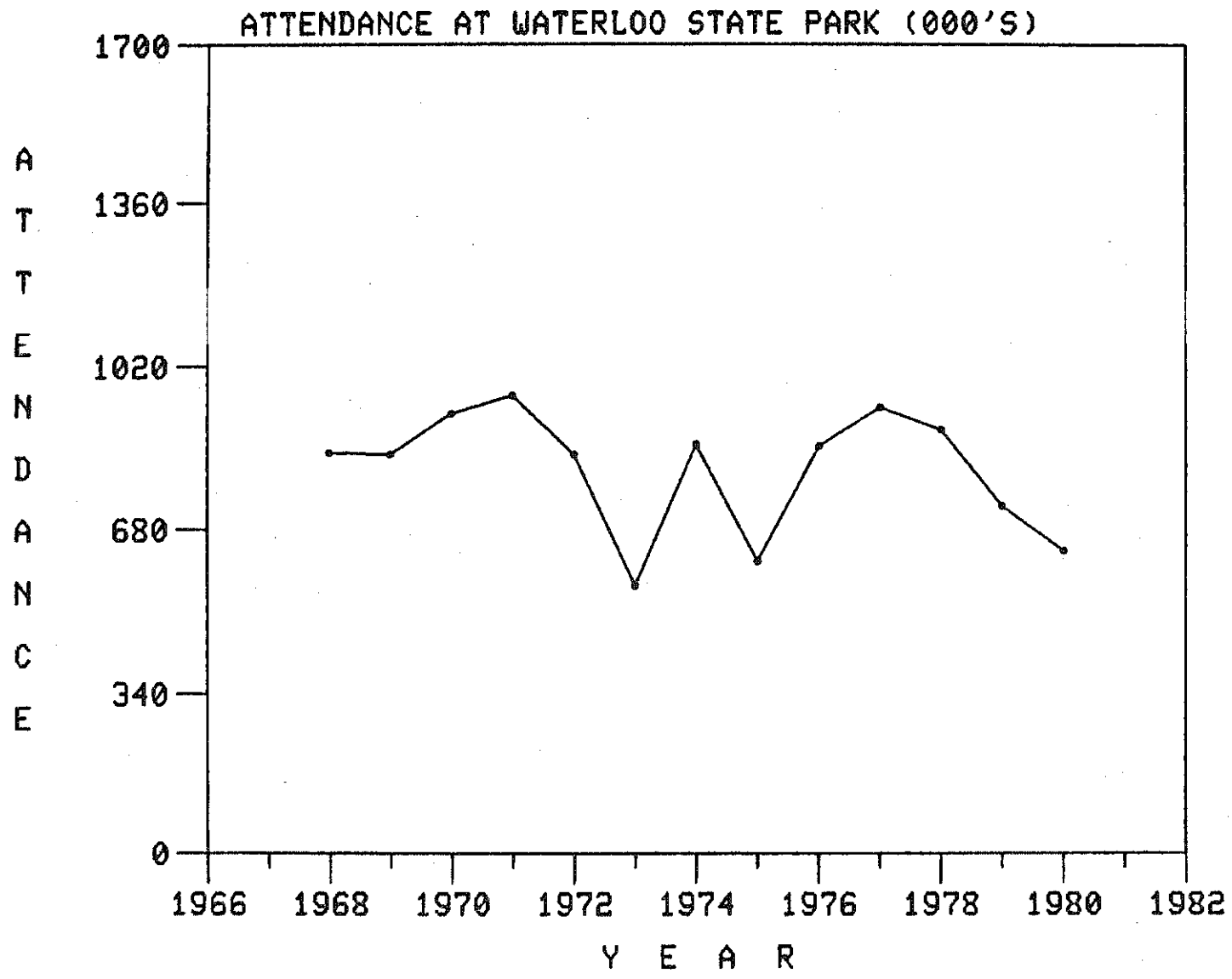


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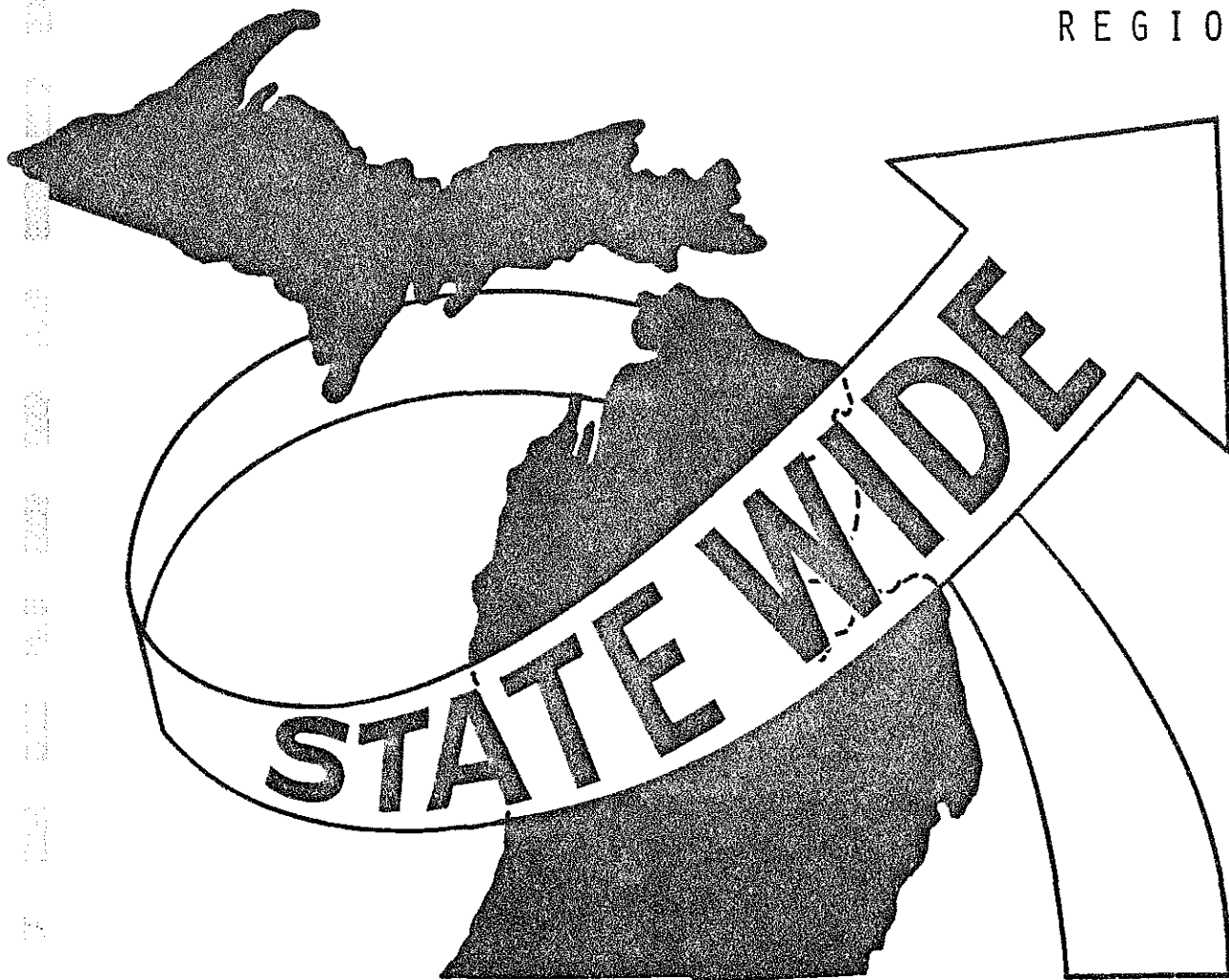


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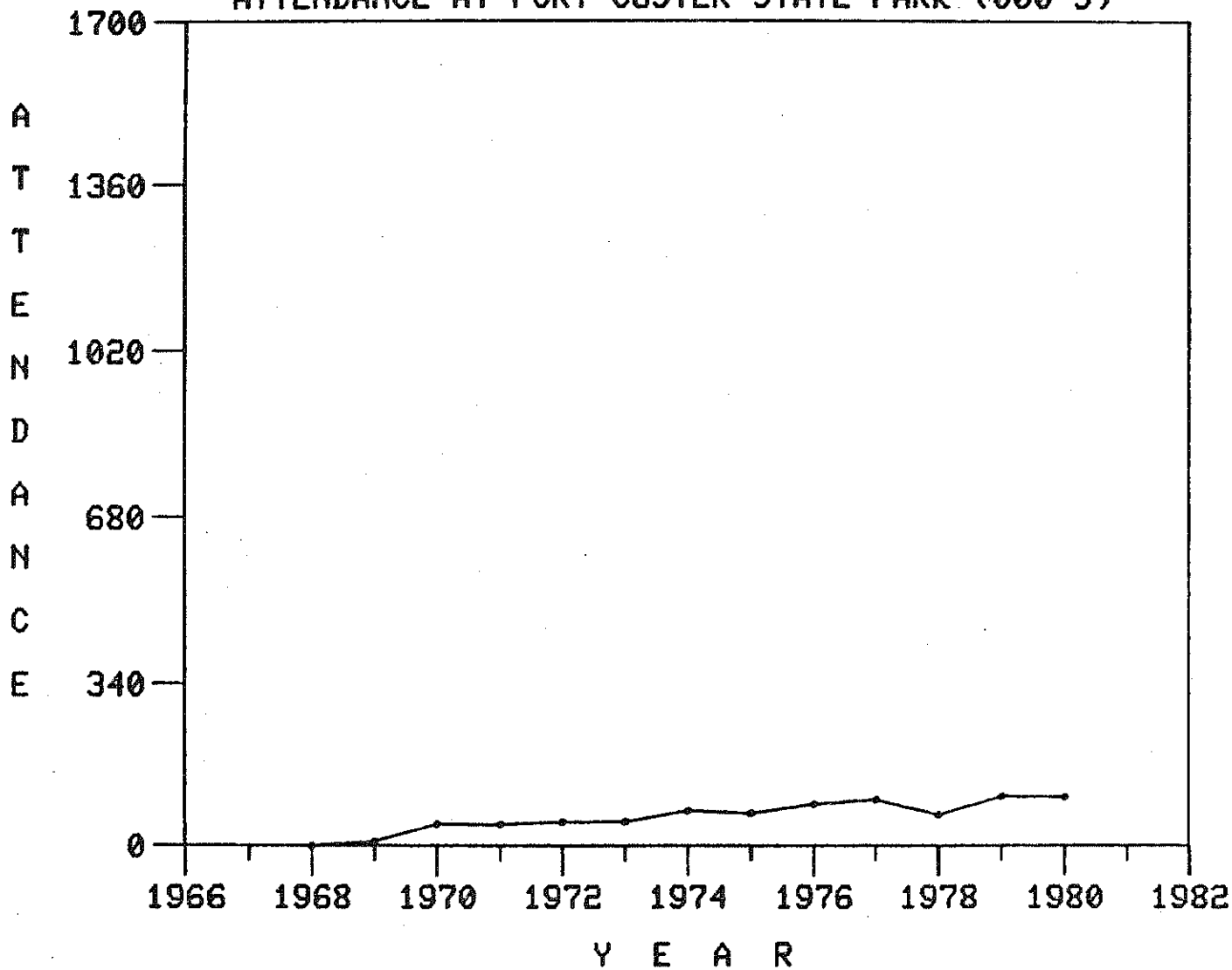




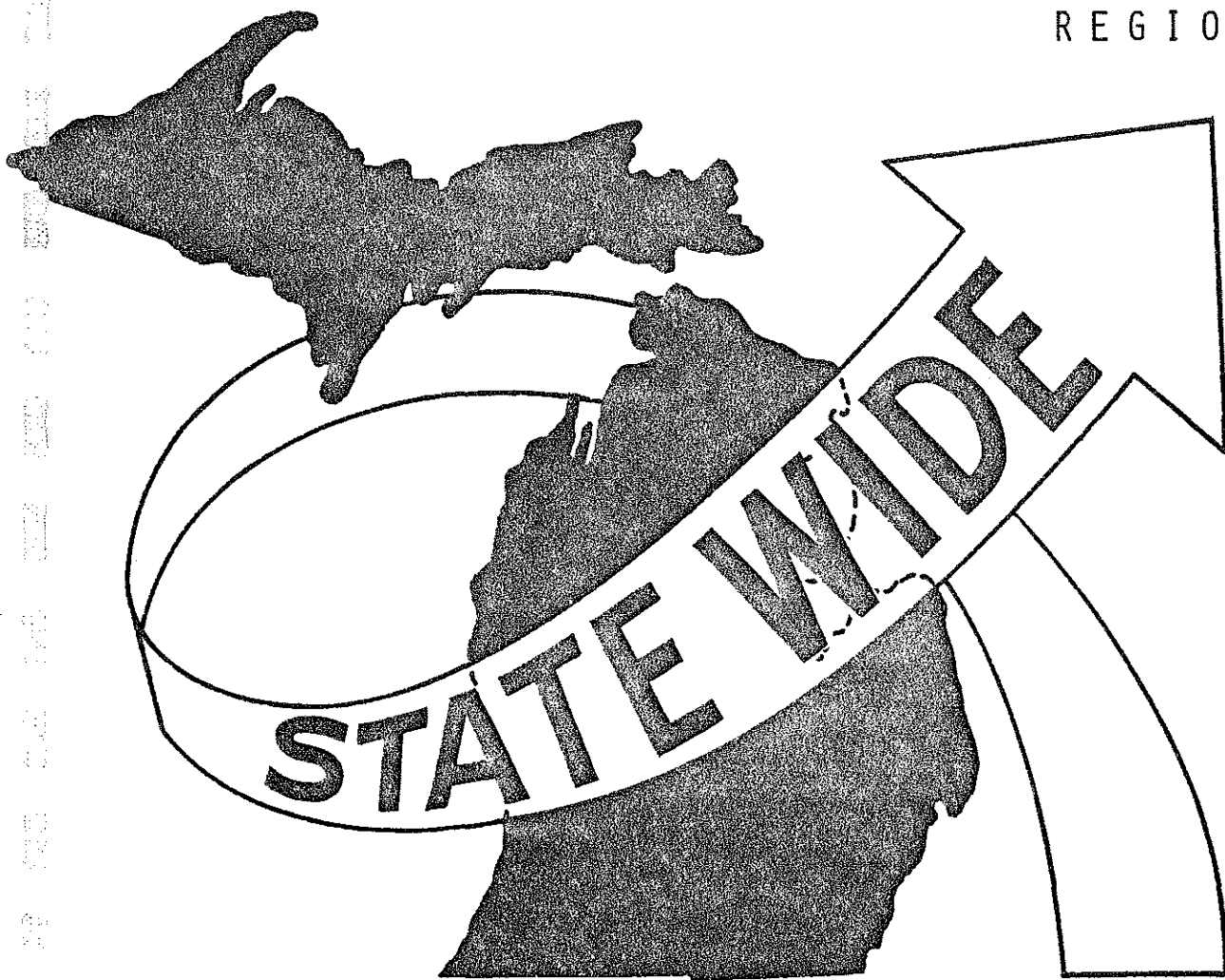
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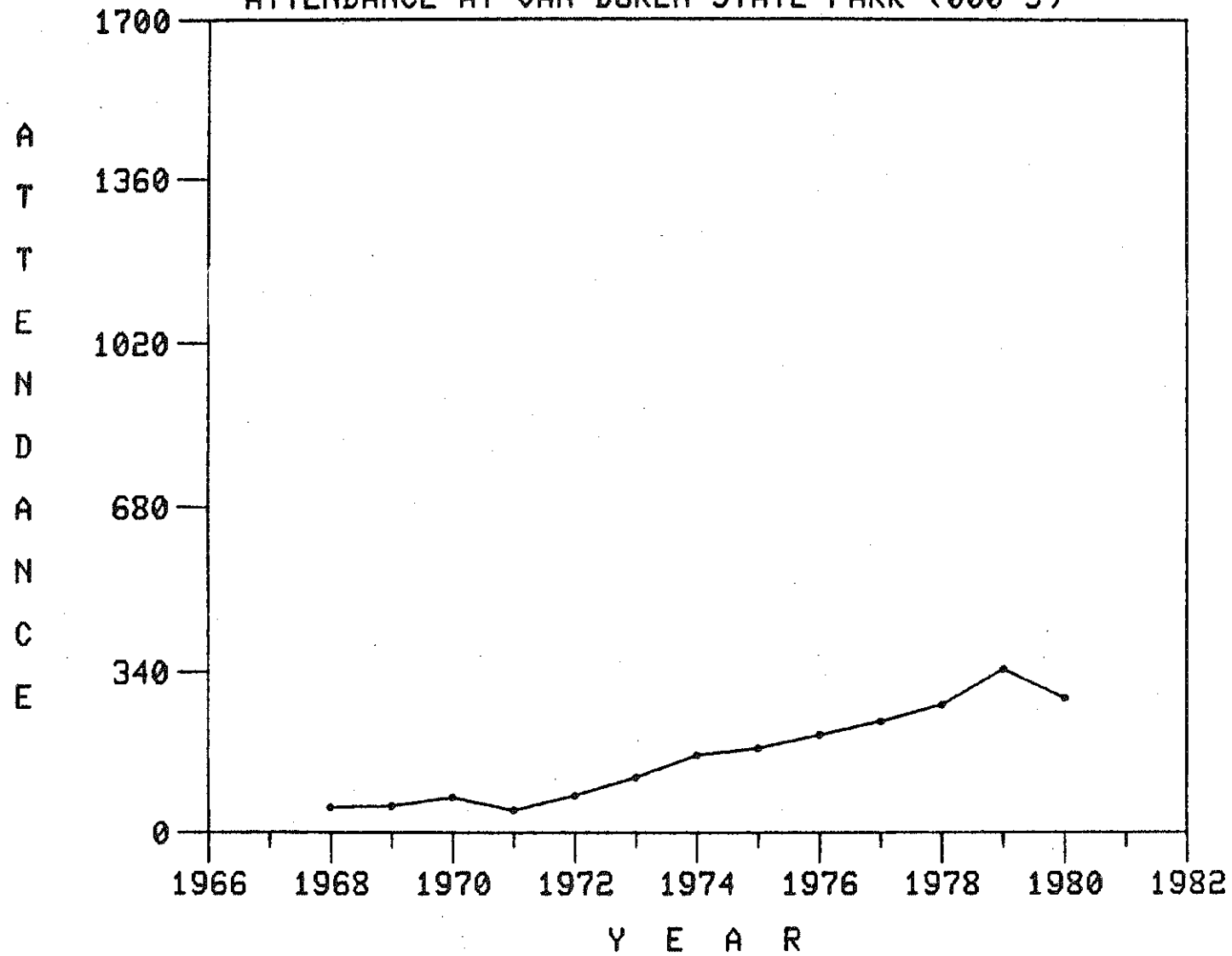
ATTENDANCE AT FORT CUSTER STATE PARK (000'S)

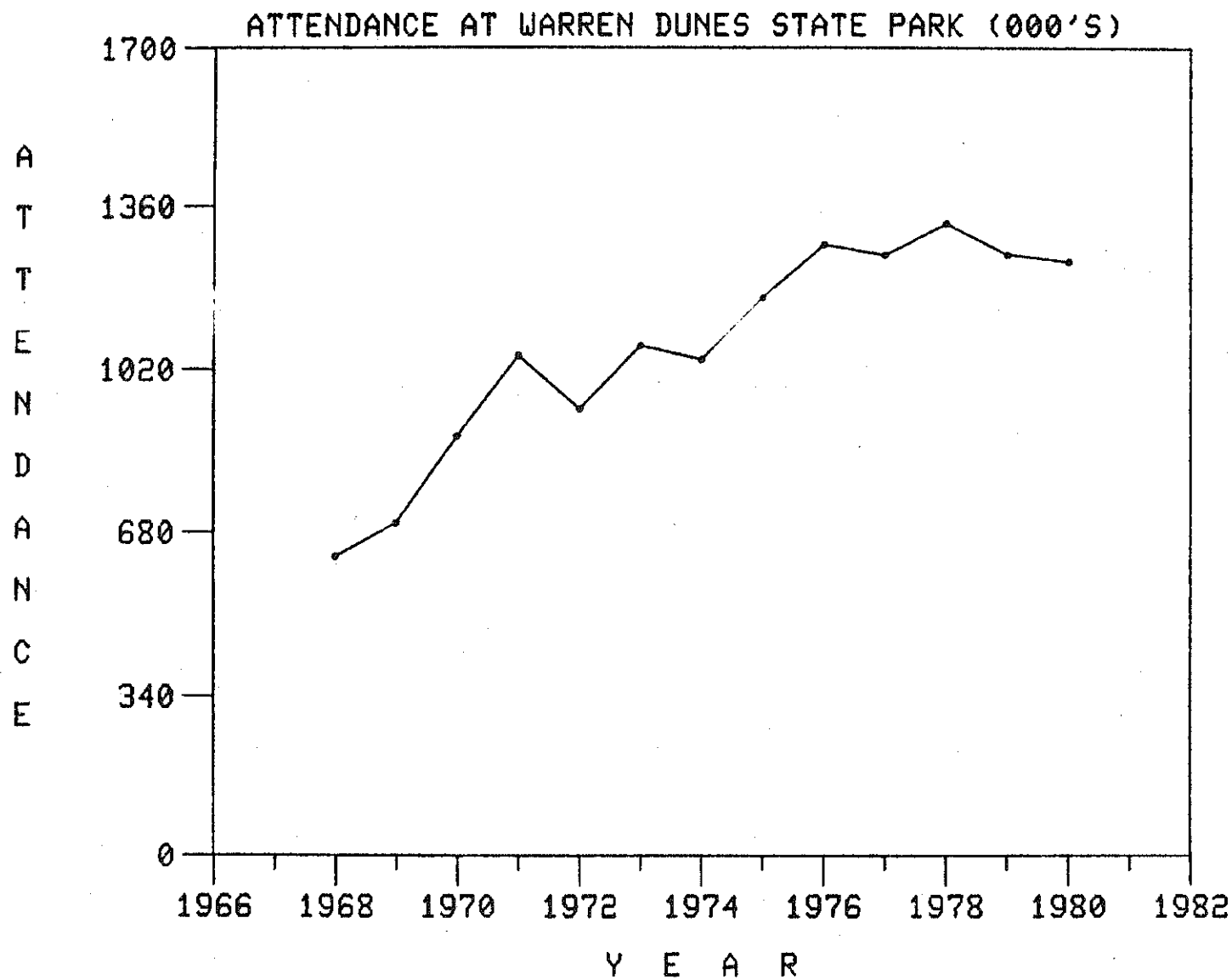


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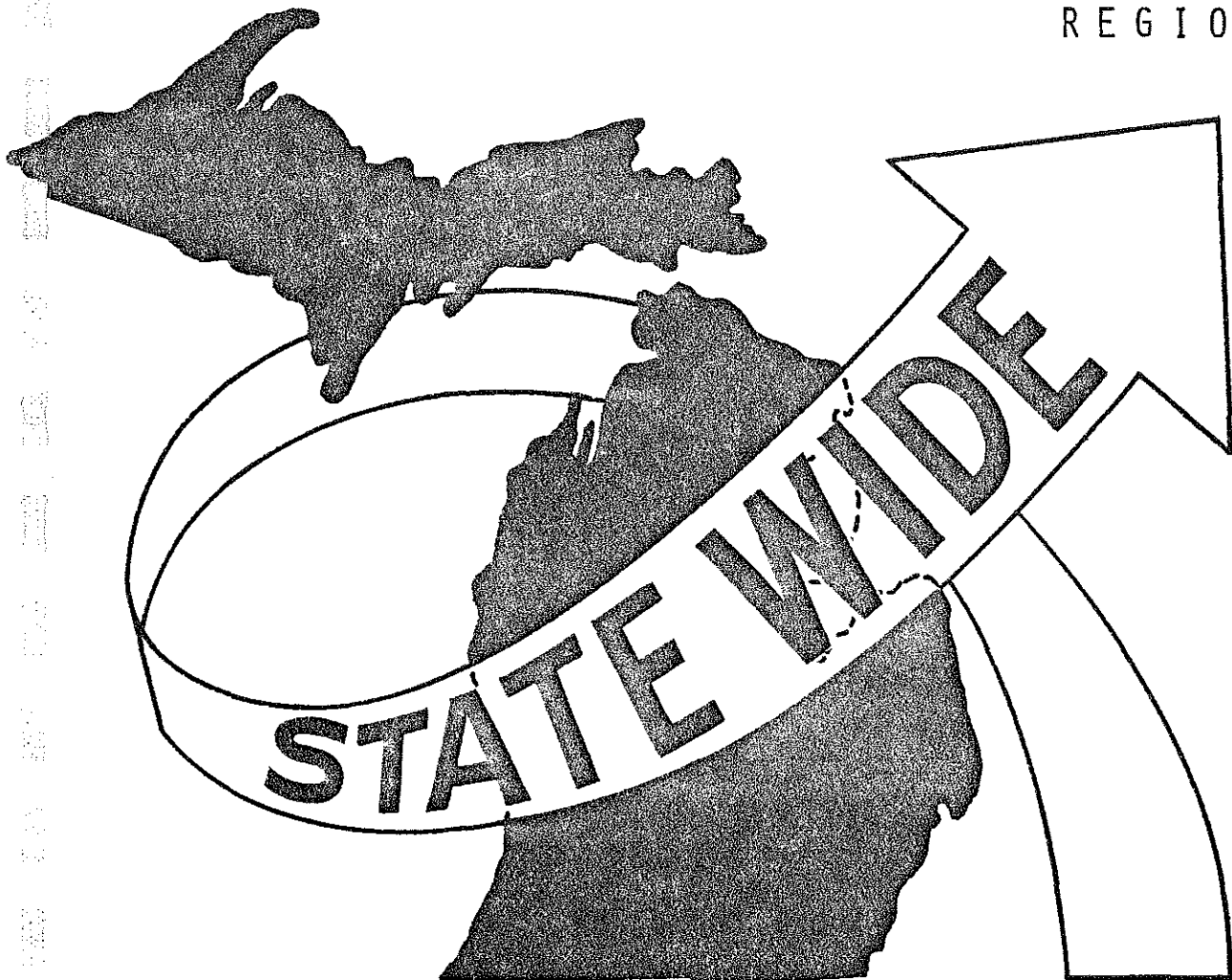
ATTENDANCE AT VAN BUREN STATE PARK (000'S)



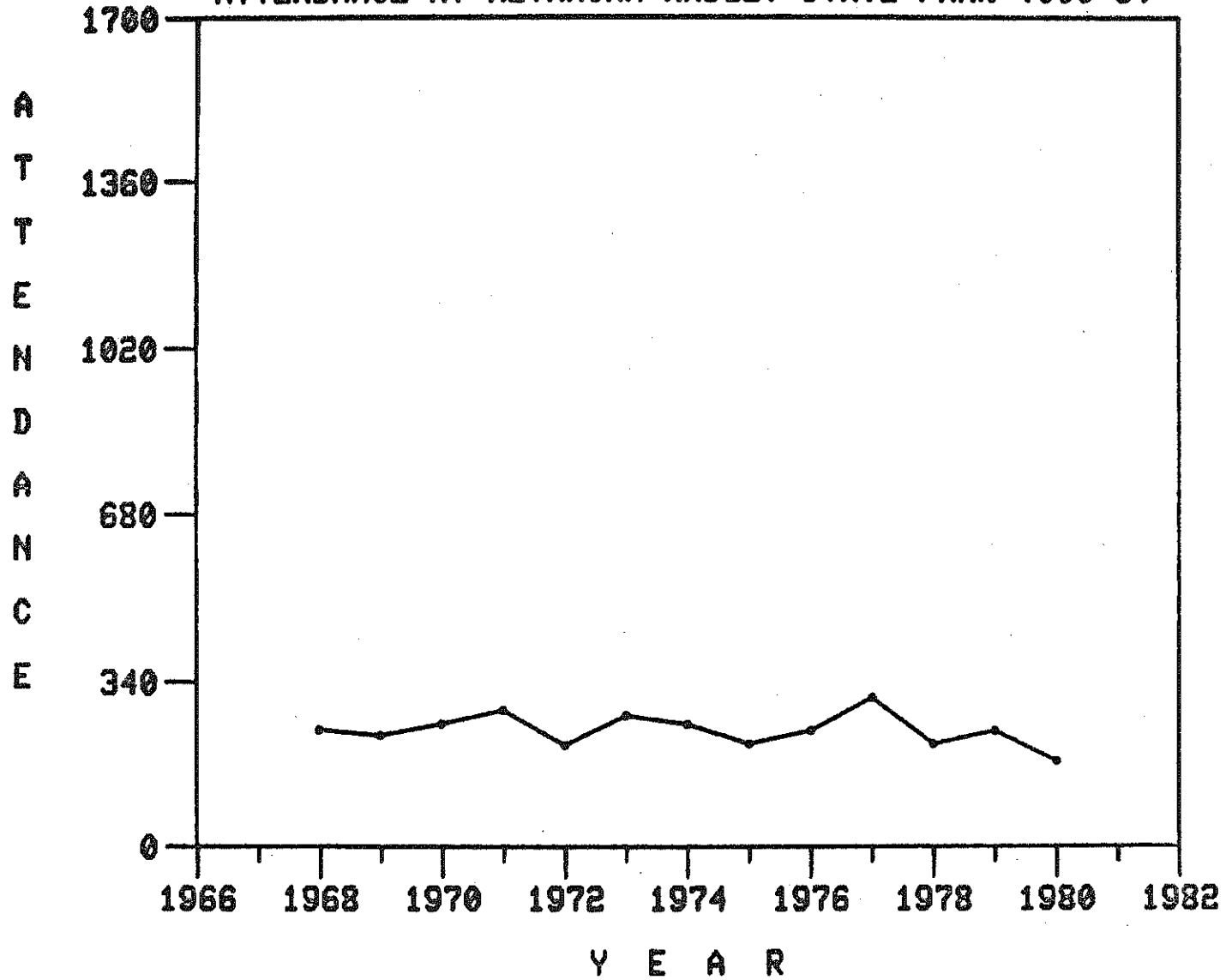




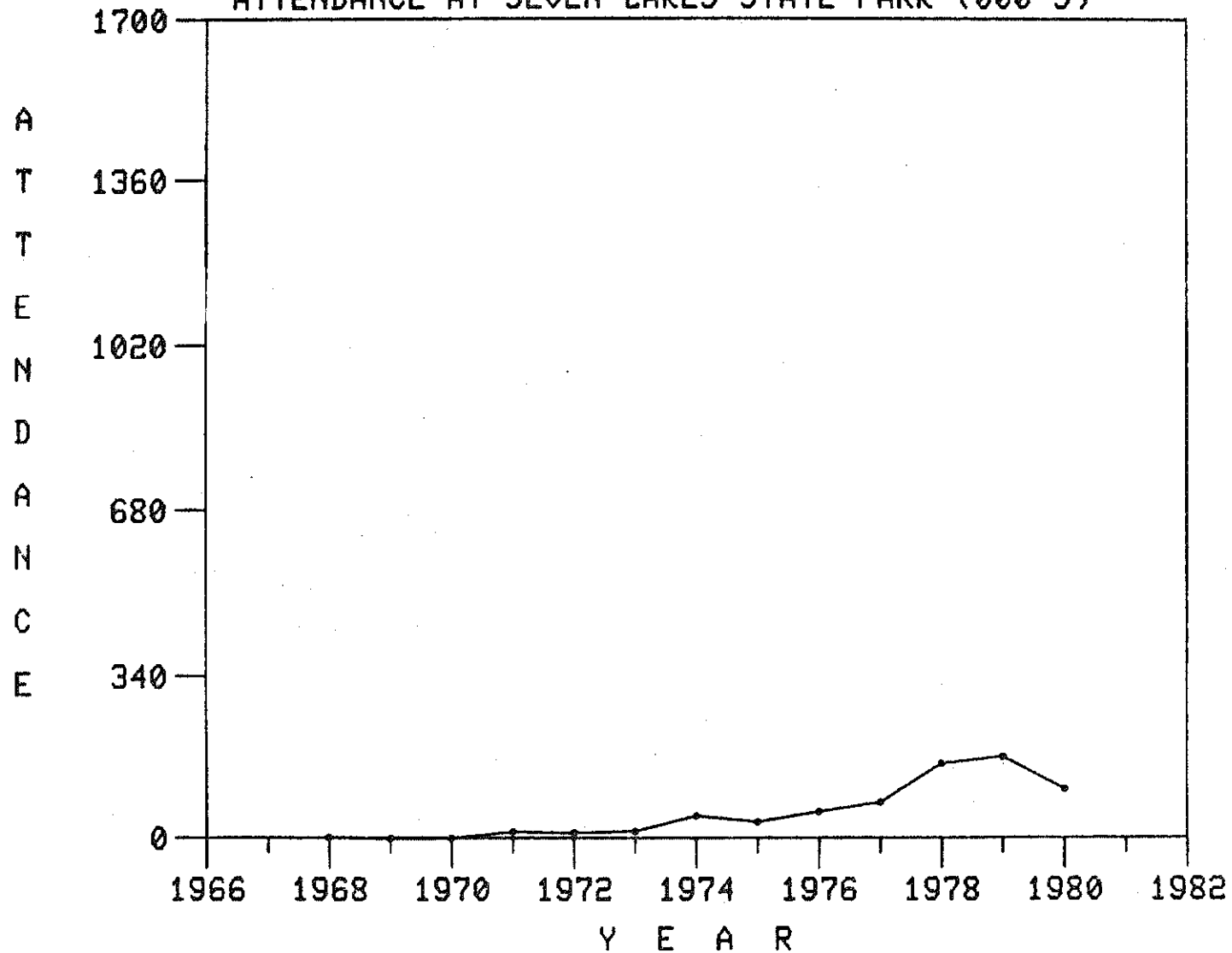
REGION 5



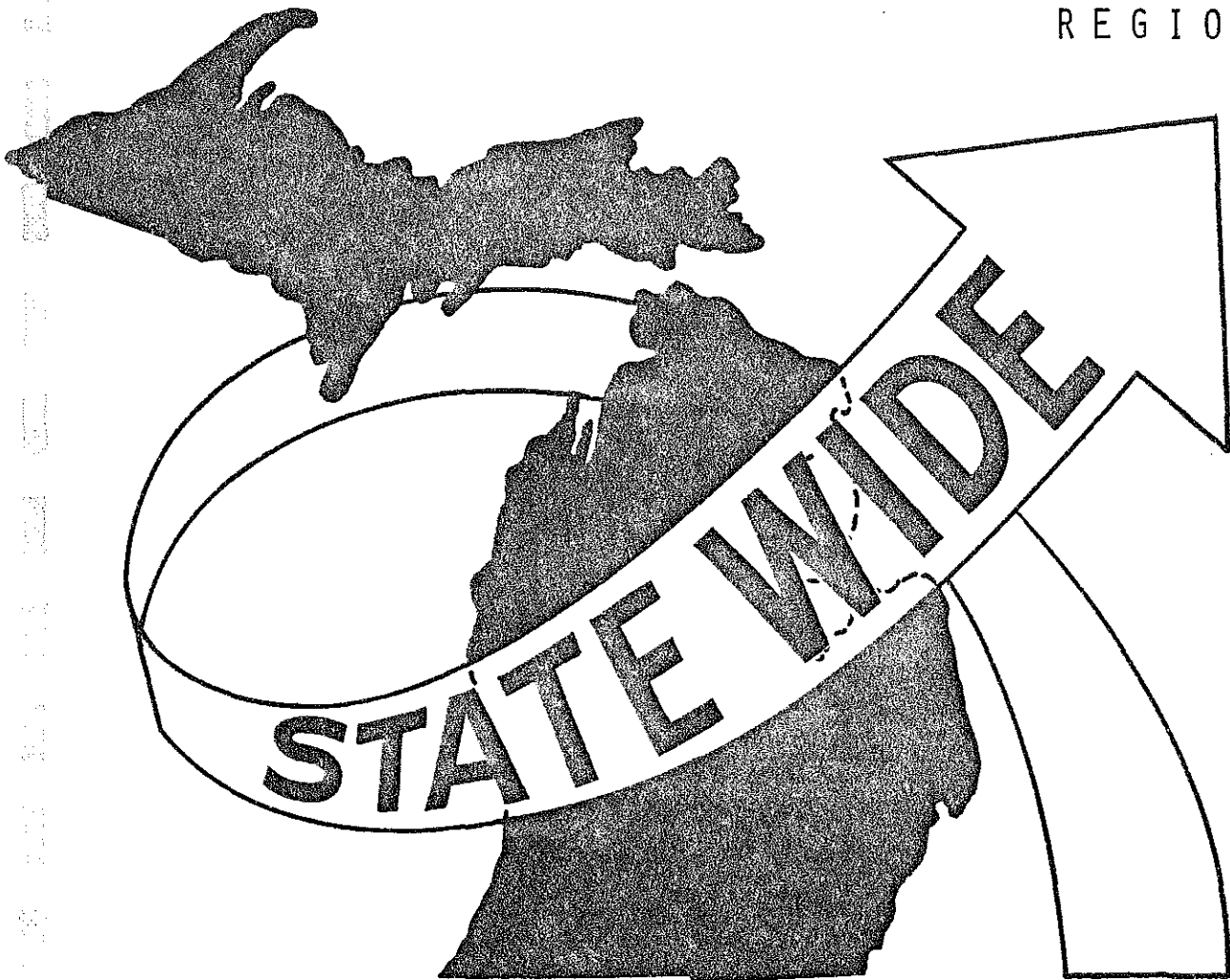
ATTENDANCE AT METAMORA-HADLEY STATE PARK (000'S)



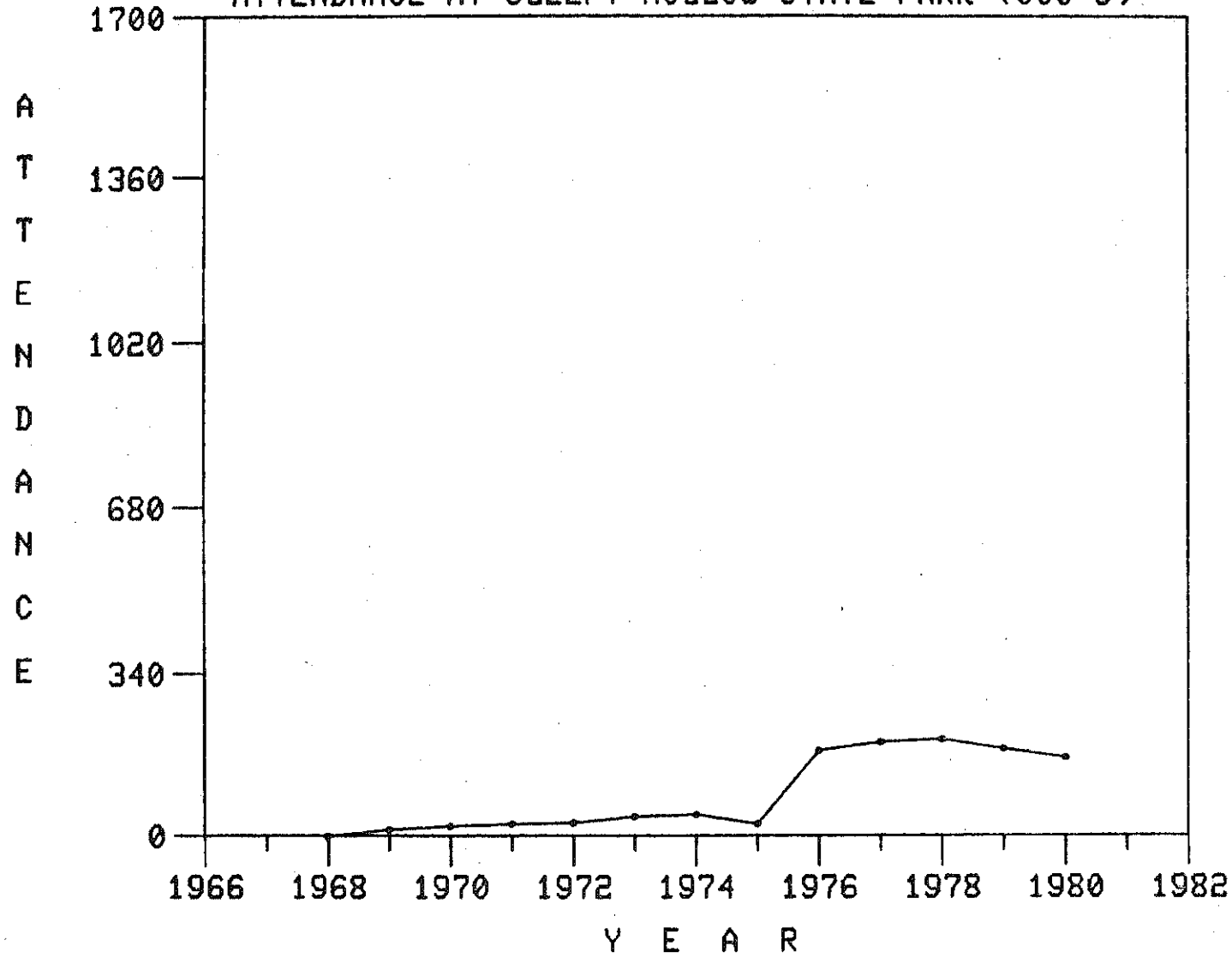
ATTENDANCE AT SEVEN LAKES STATE PARK (000'S)



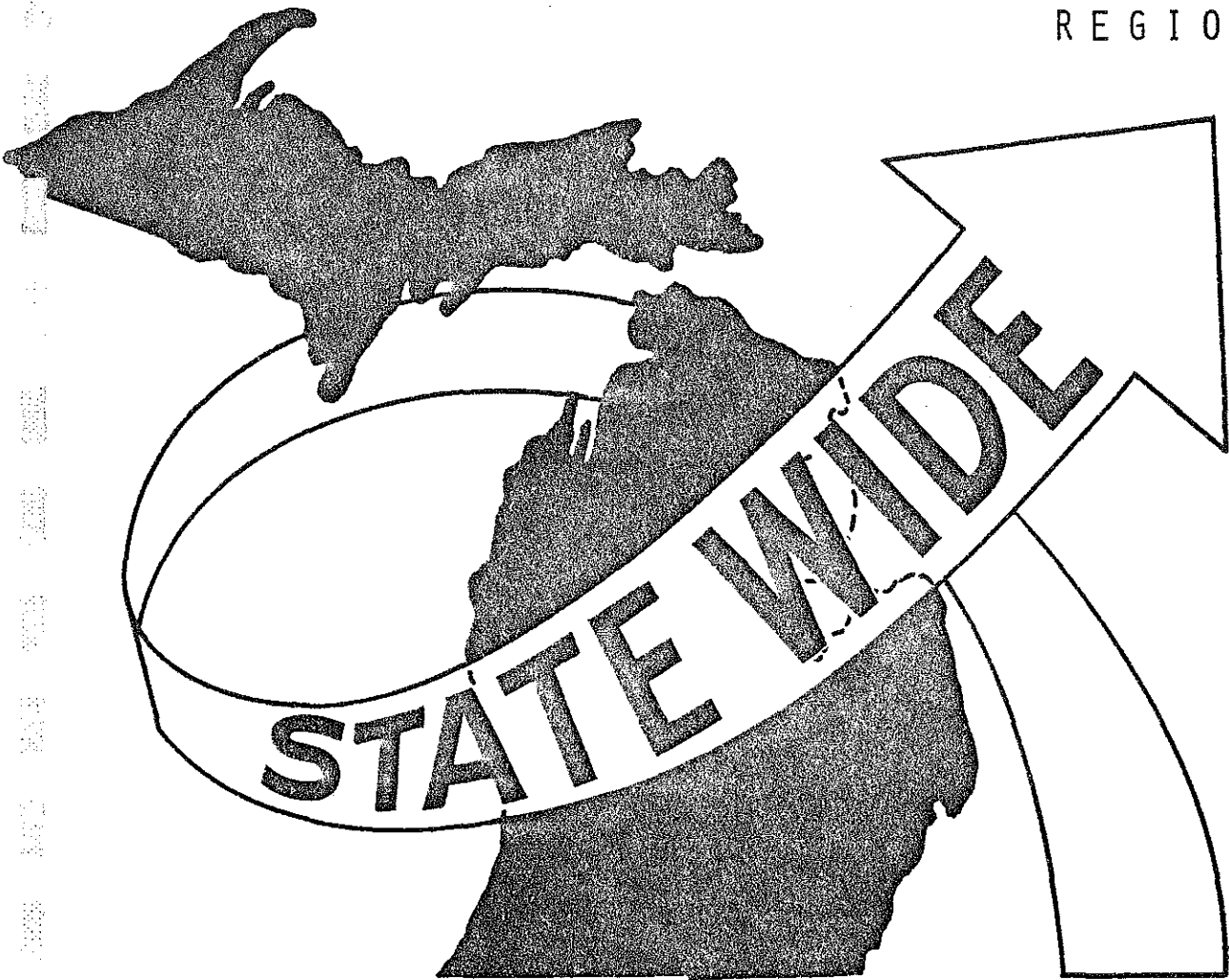
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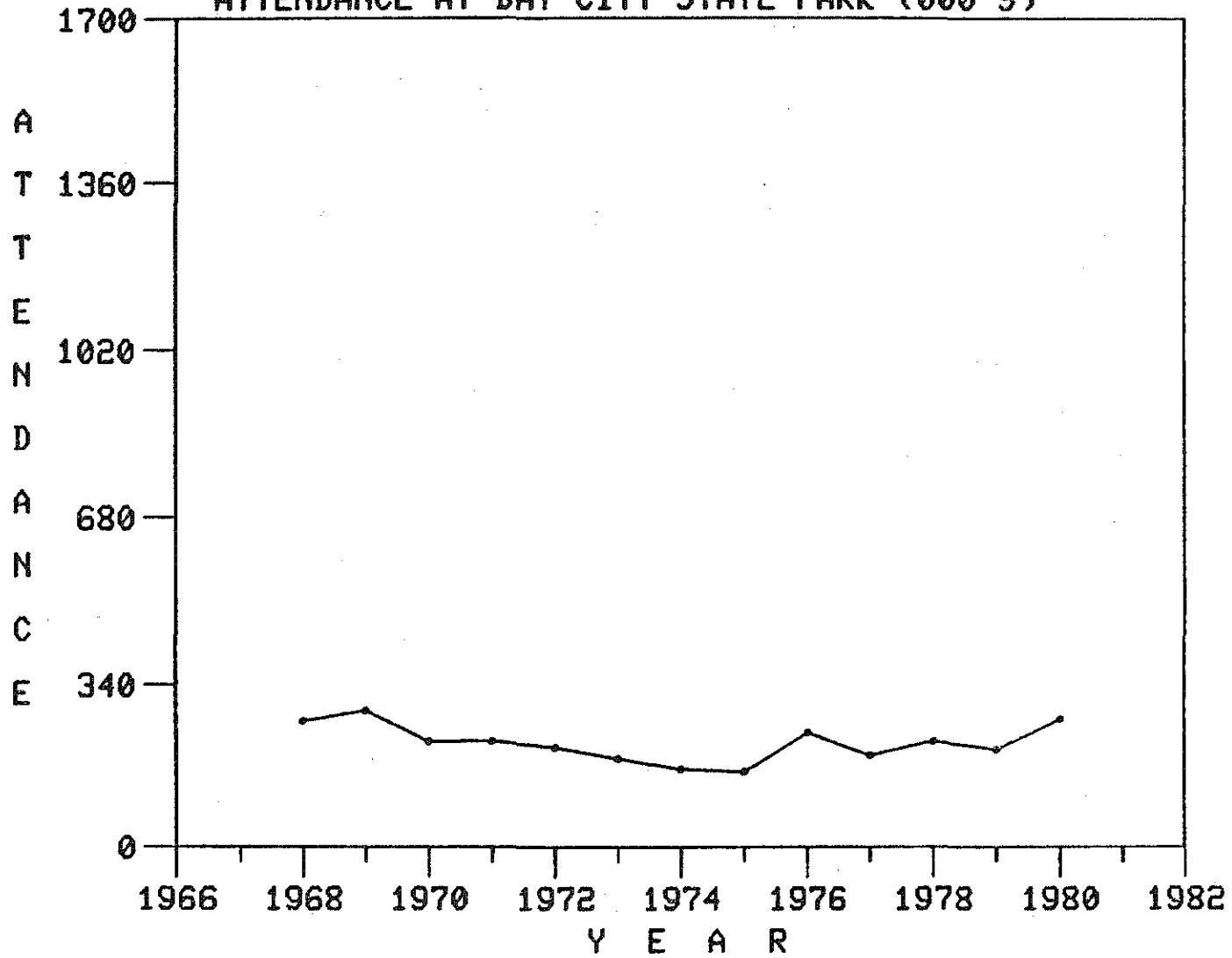
ATTENDANCE AT SLEEPY HOLLOW STATE PARK (000'S)



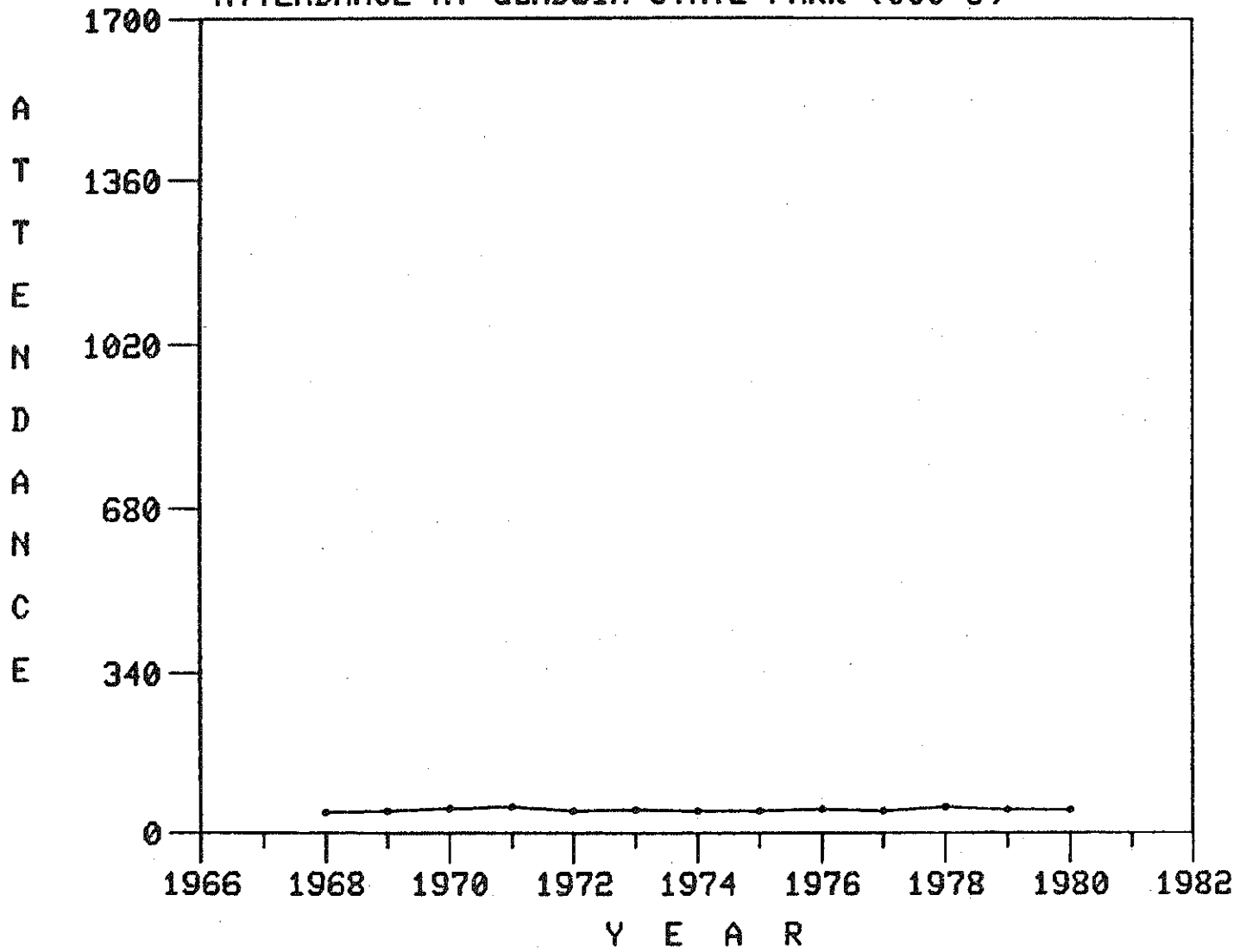
REGION 7



ATTENDANCE AT BAY CITY STATE PARK (000'S)

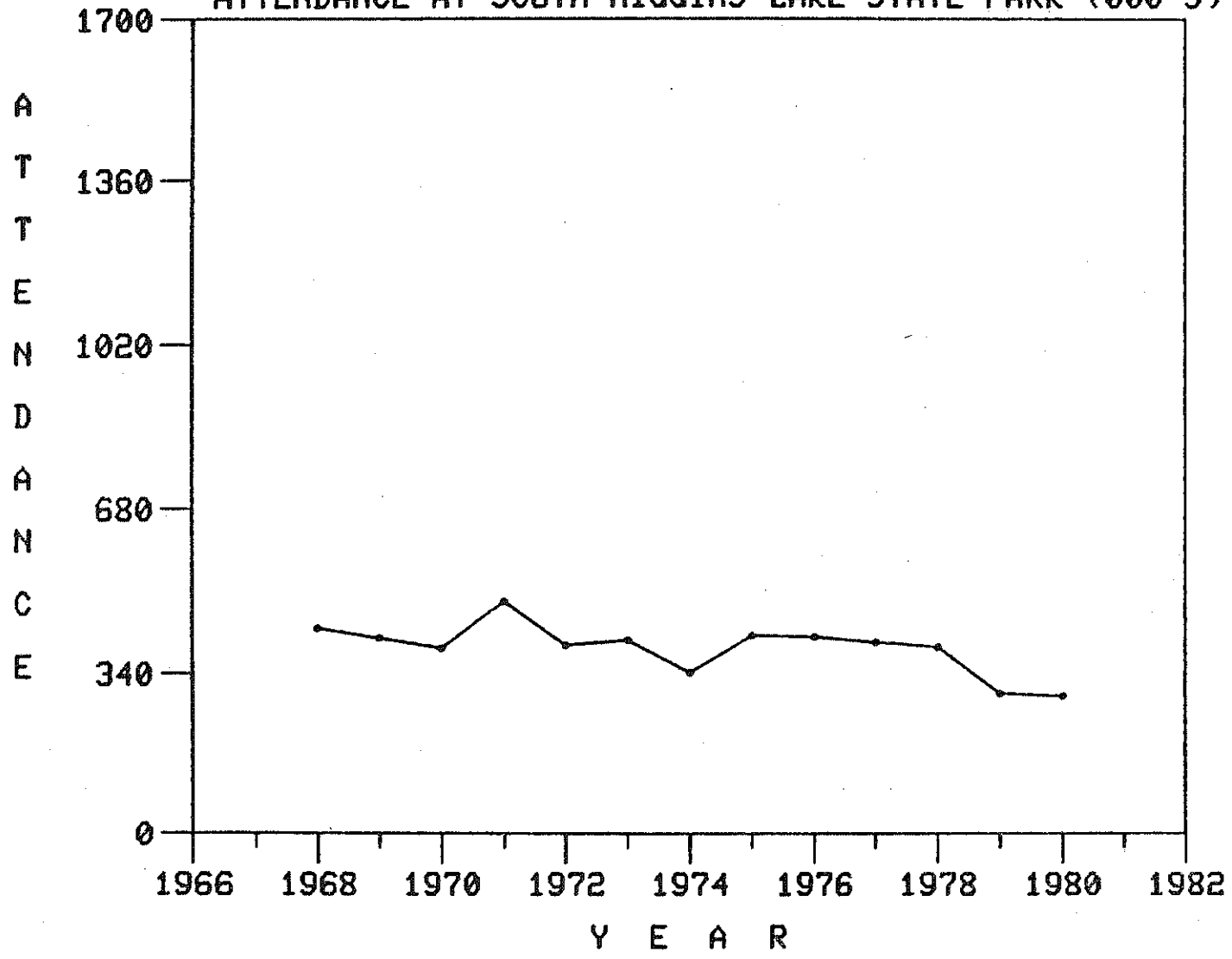


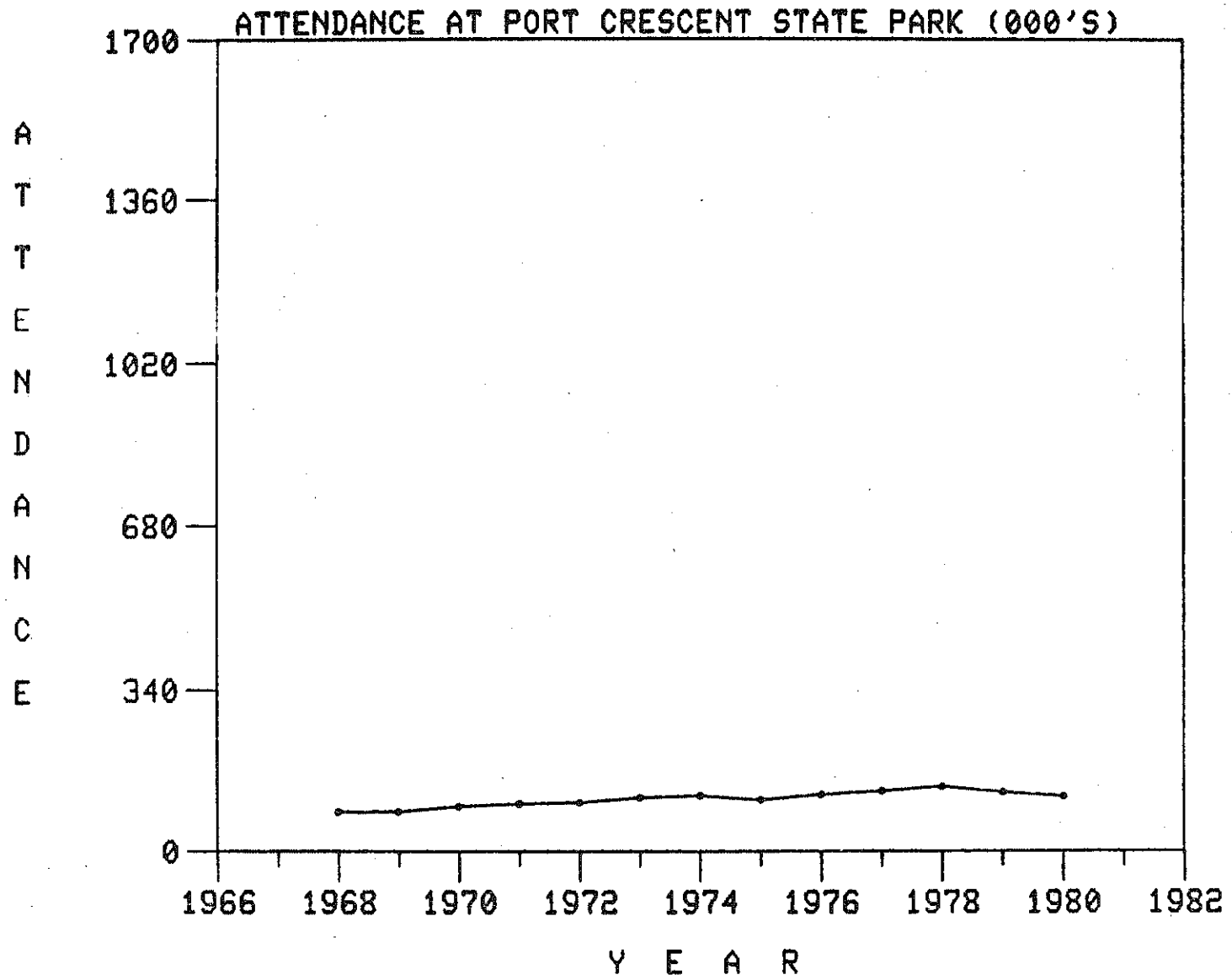
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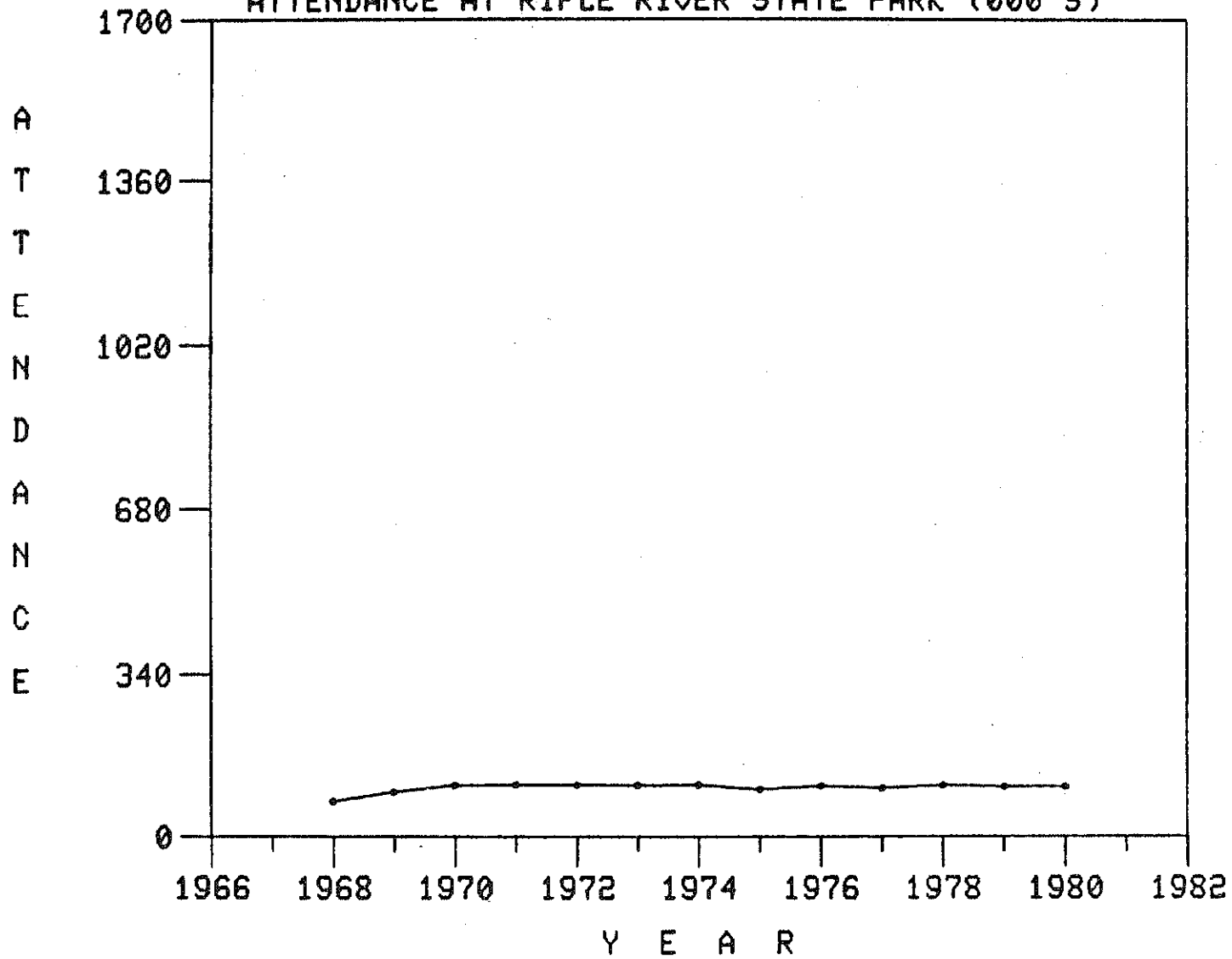


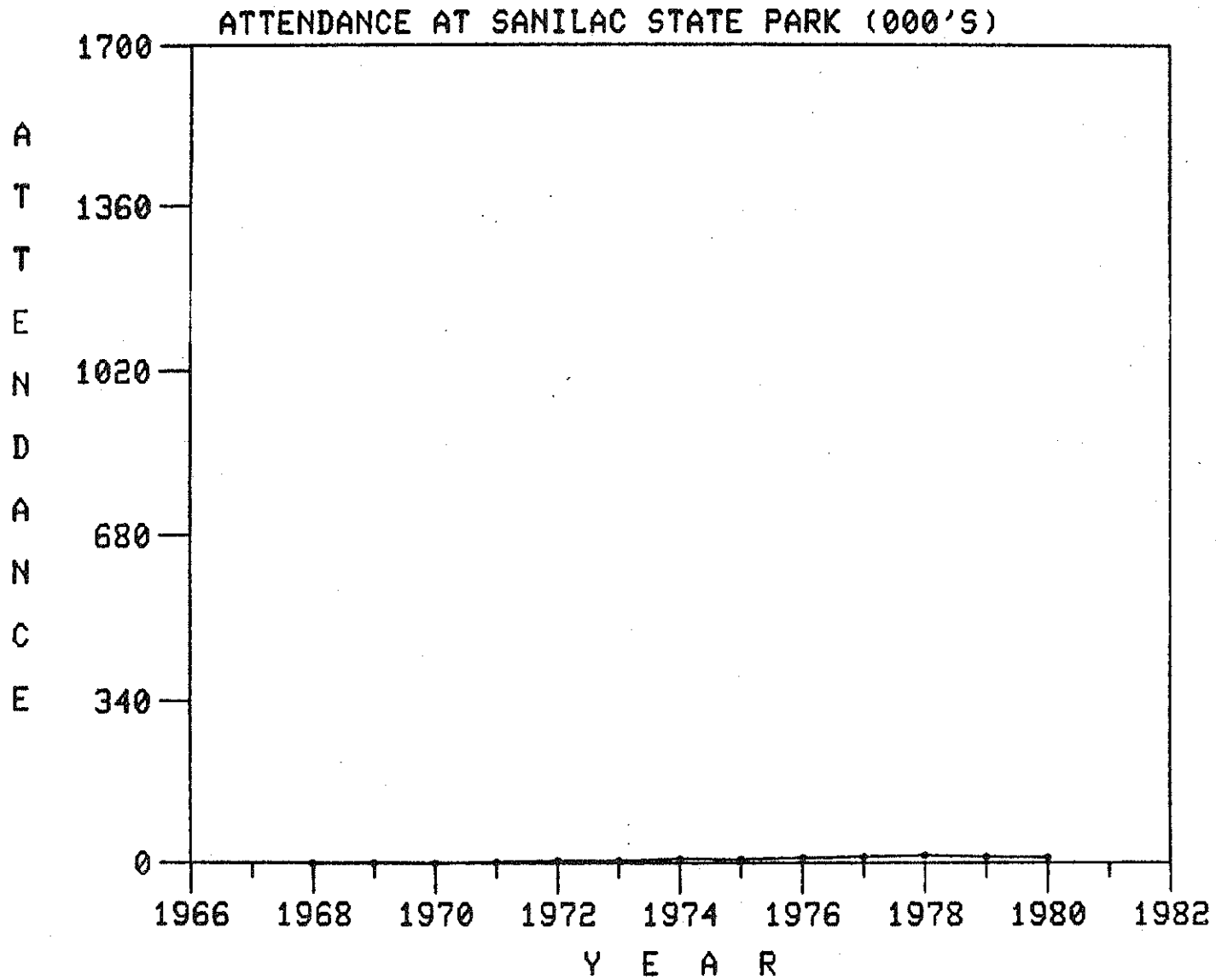
ATTENDANCE AT SOUTH HIGGINS LAKE STATE PARK (000'S)



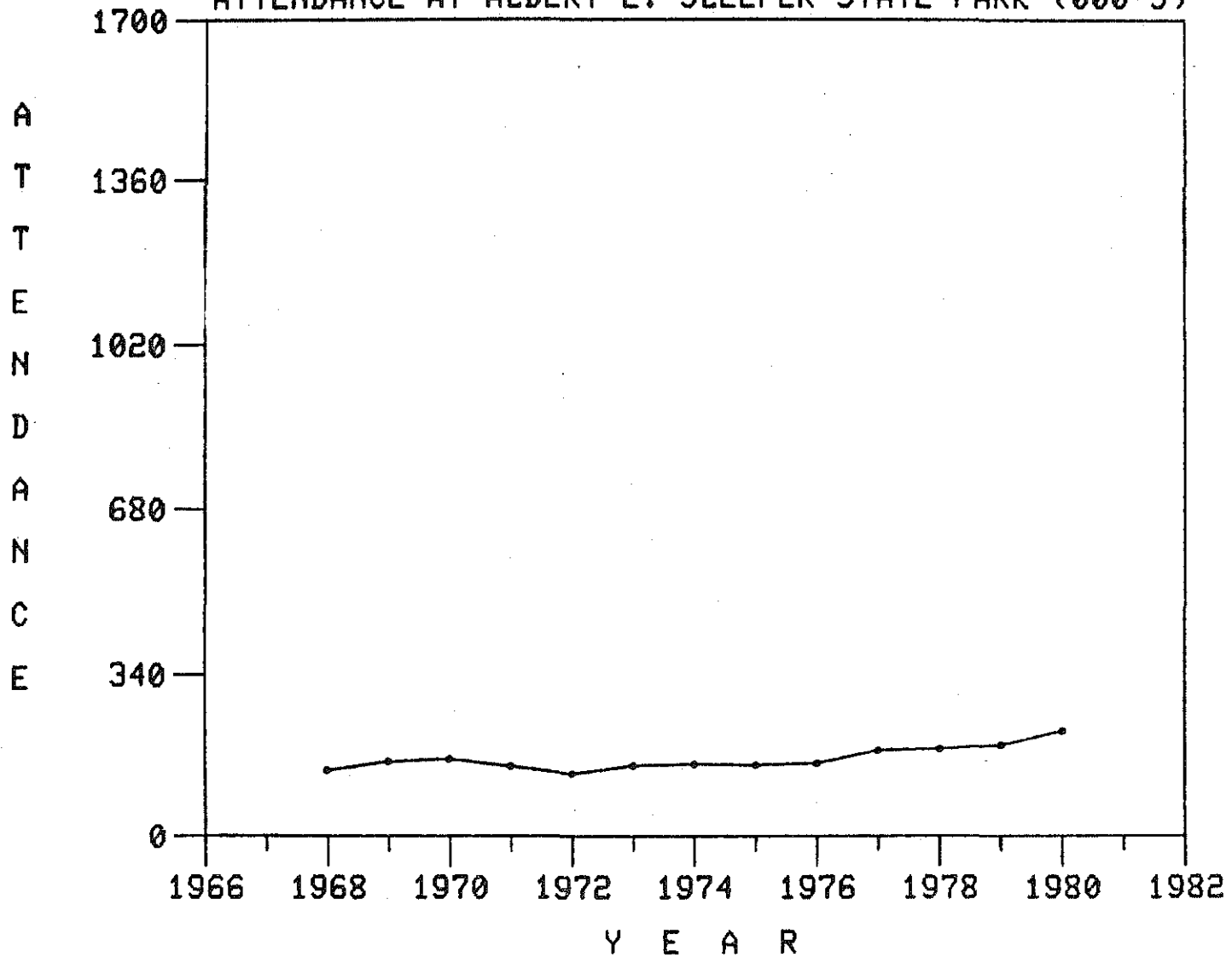


ATTENDANCE AT RIFLE RIVER STATE PARK (000'S)

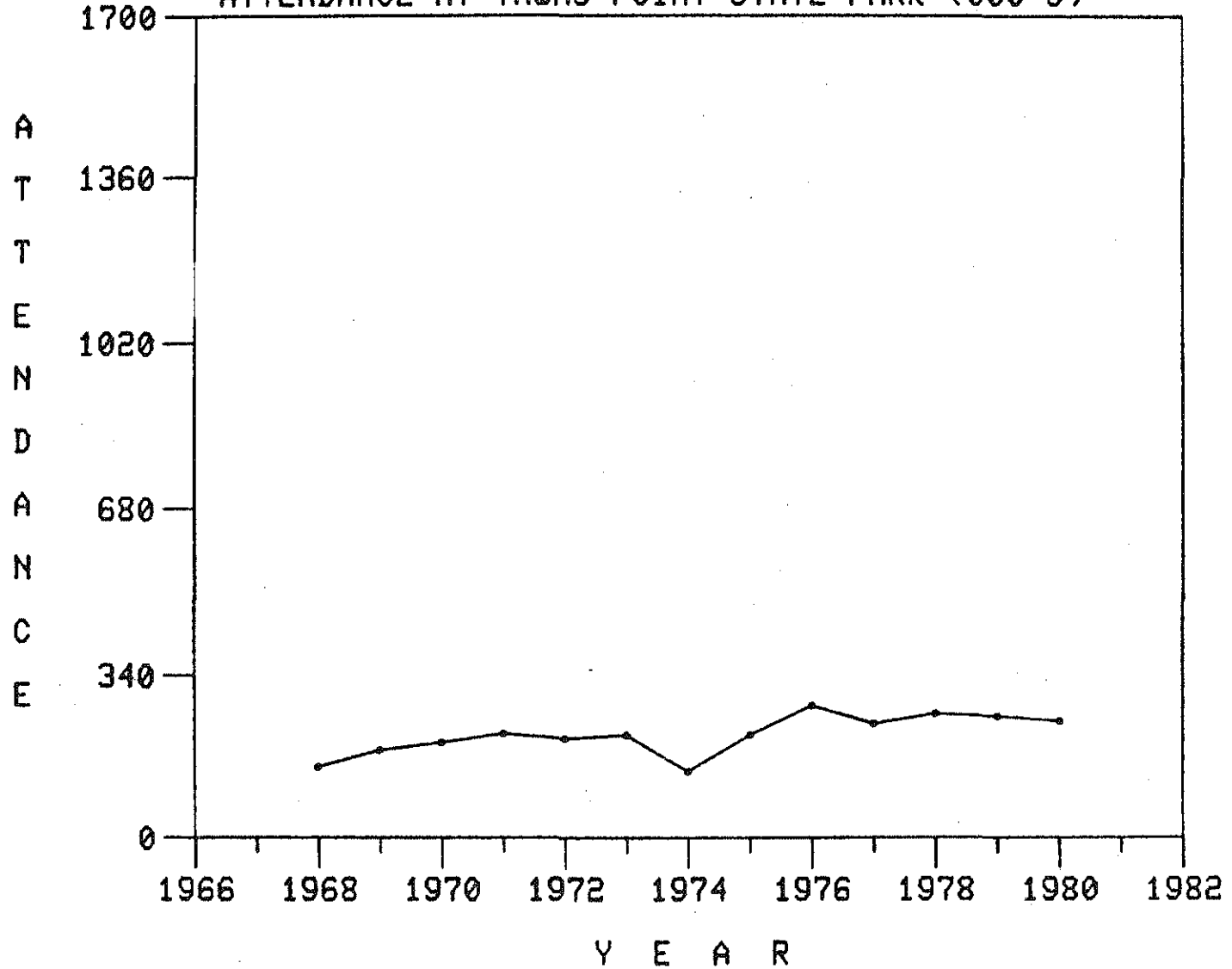




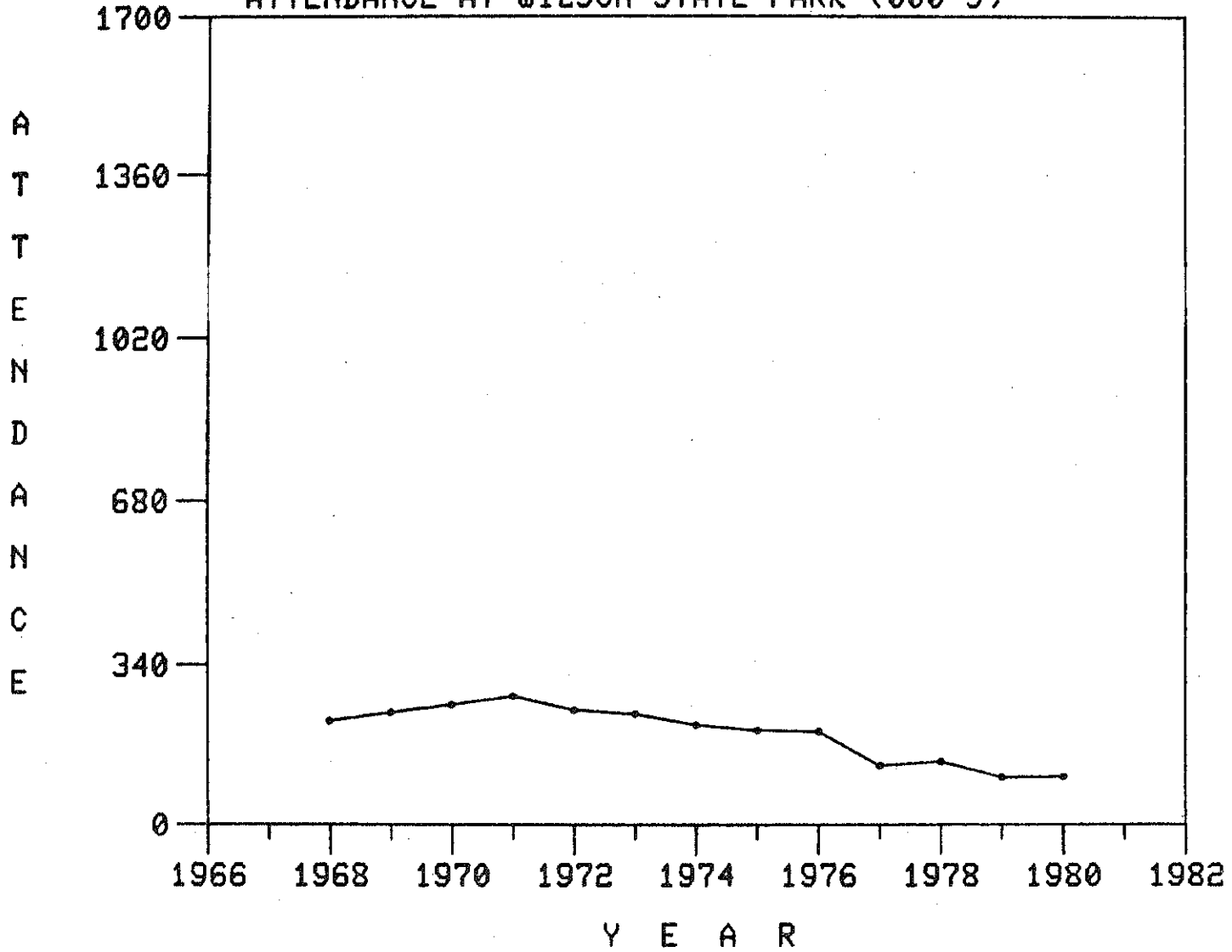
ATTENDANCE AT ALBERT E. SLEEPER STATE PARK (000'S)



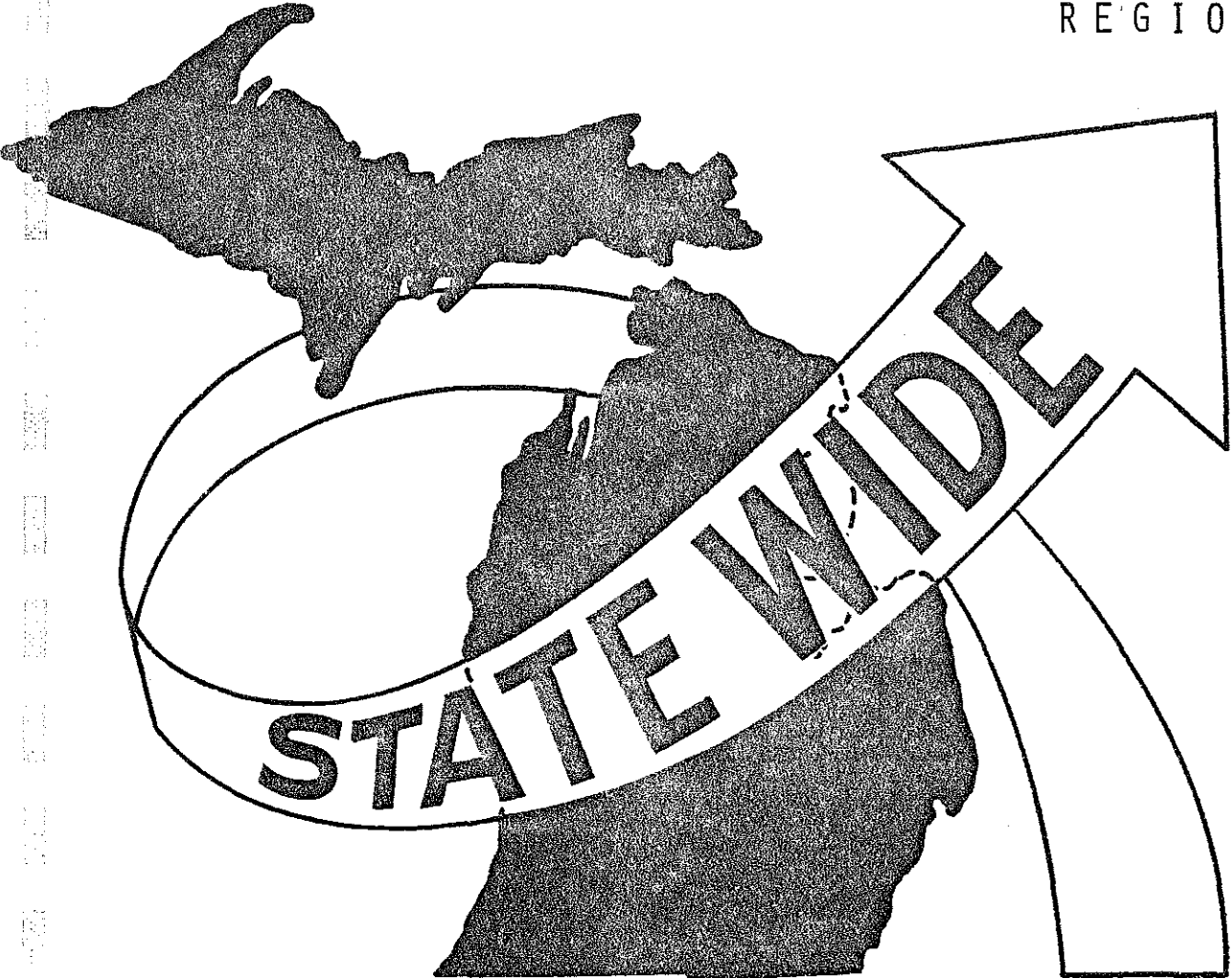
ATTENDANCE AT TAWAS POINT STATE PARK (000'S)



ATTENDANCE AT WILSON STATE PARK (000'S)

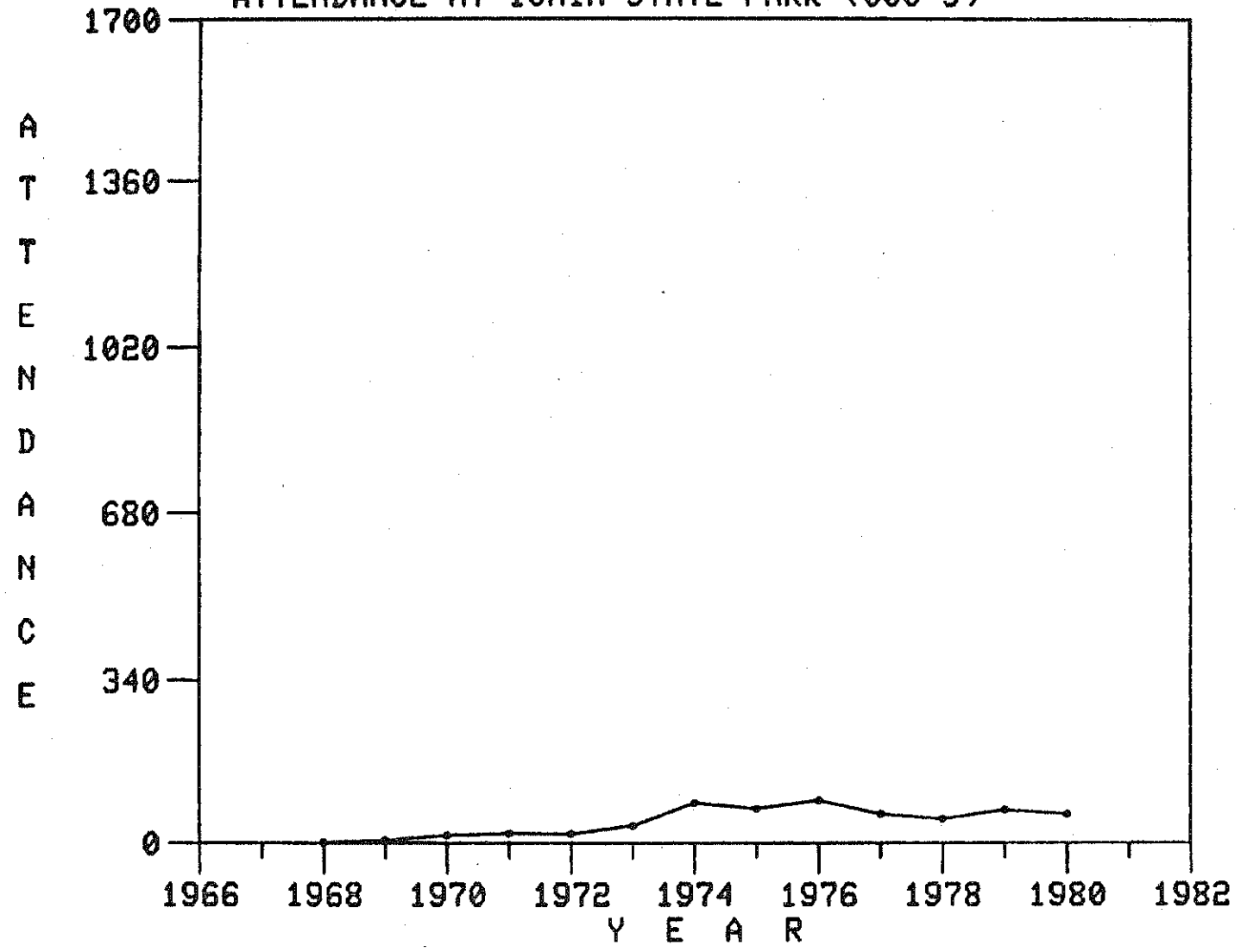


REGION 8

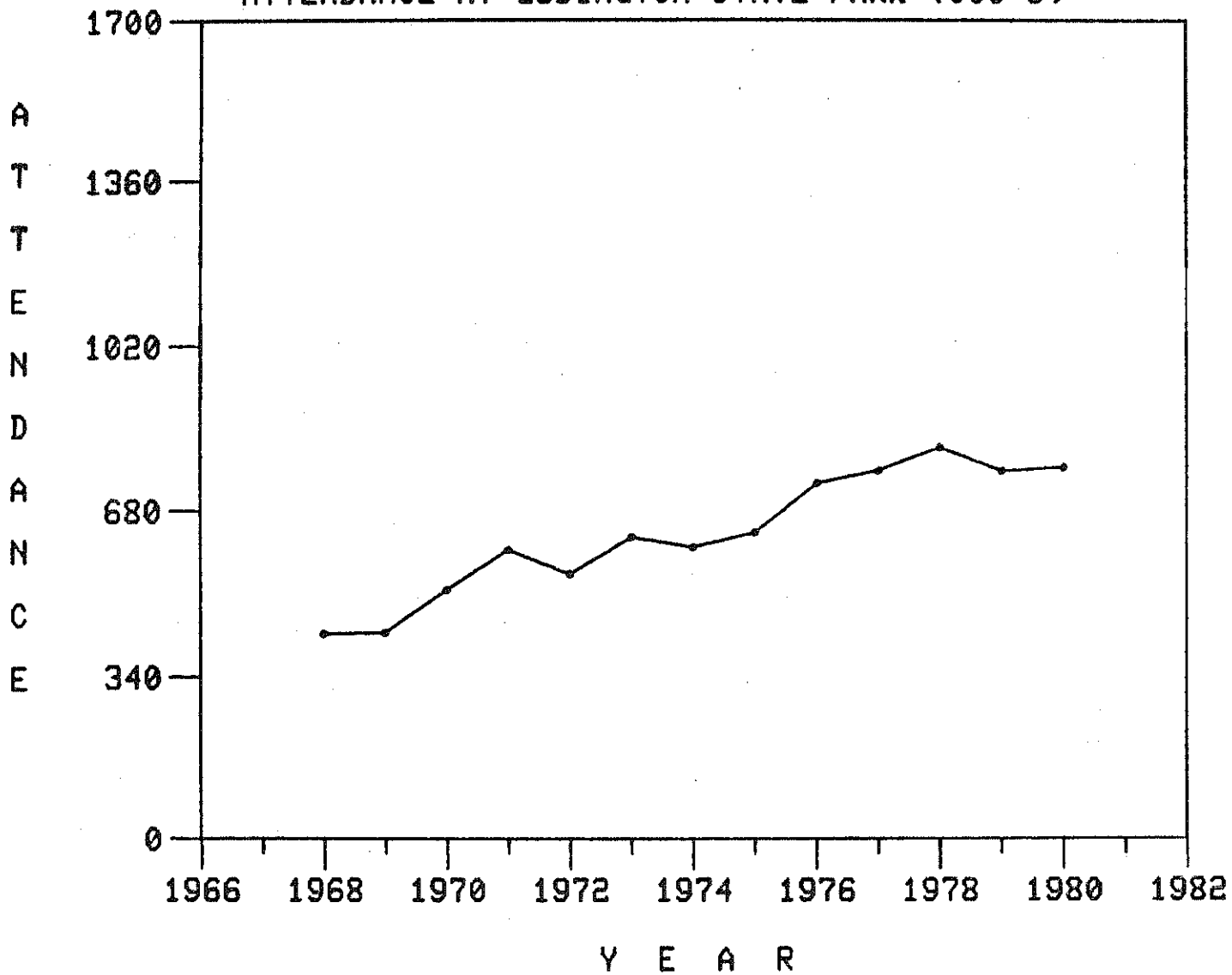




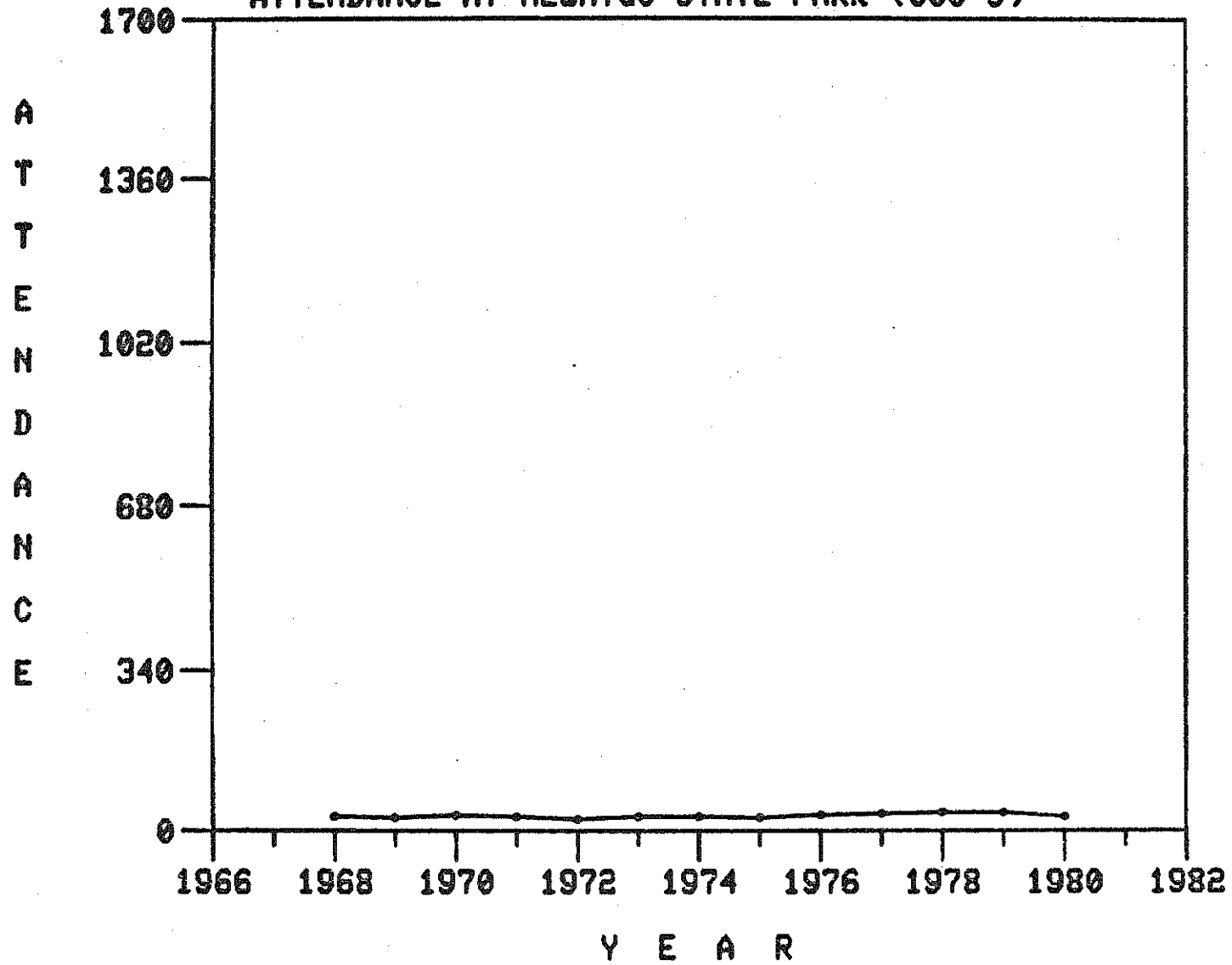
ATTENDANCE AT IONIA STATE PARK (000'S)

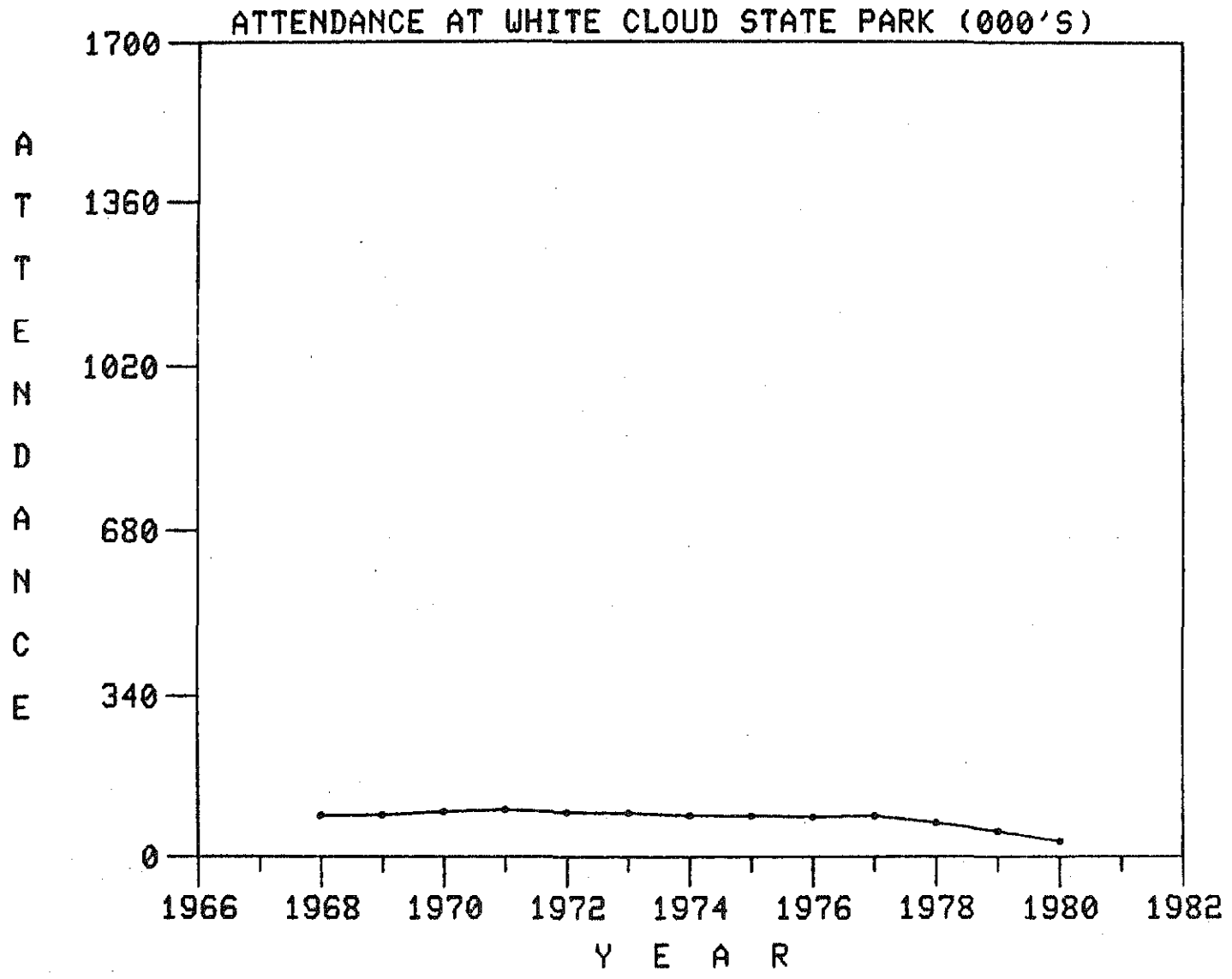


ATTENDANCE AT LUDINGTON STATE PARK (000'S)

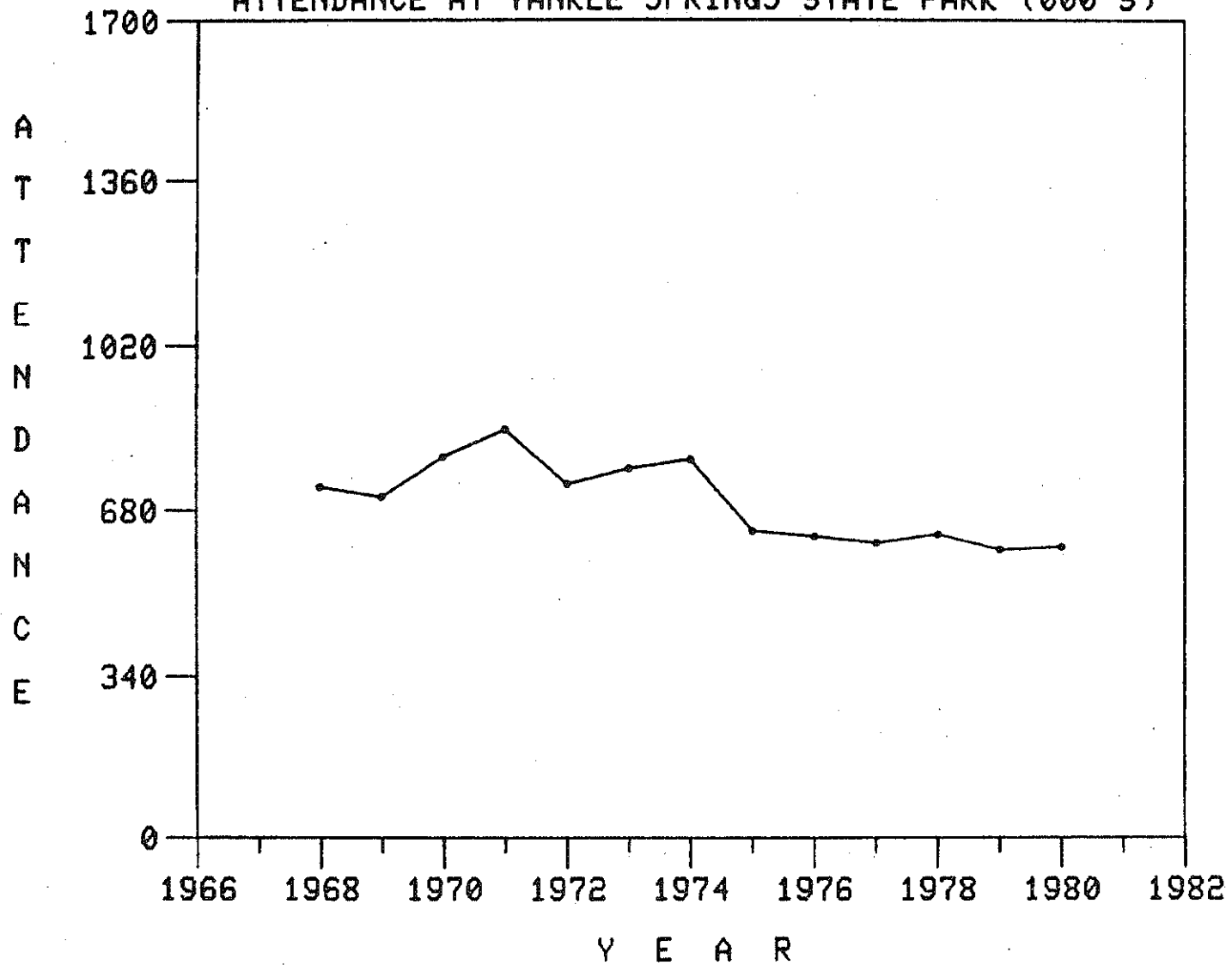


ATTENDANCE AT NEWAYGO STATE PARK (000'S)

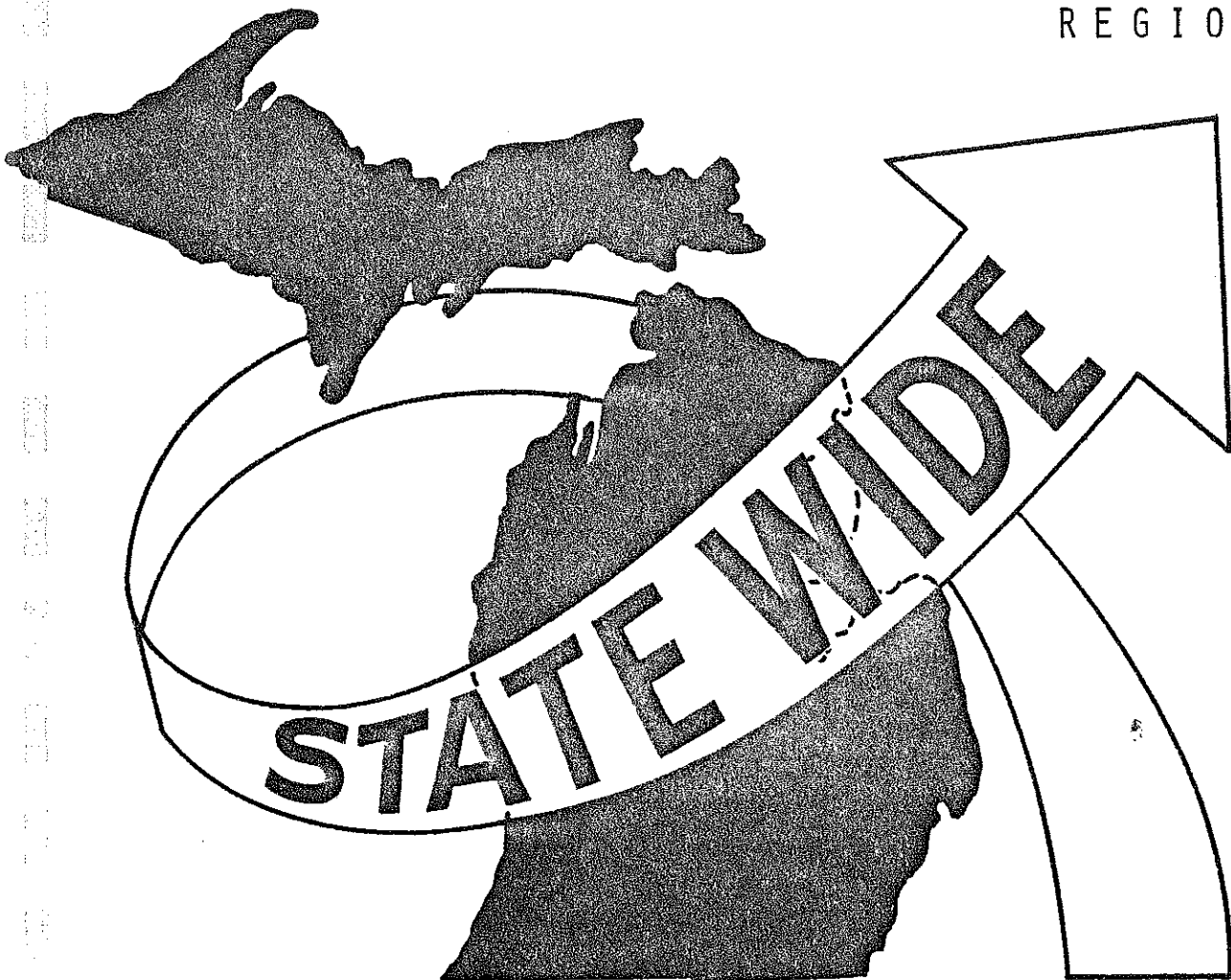


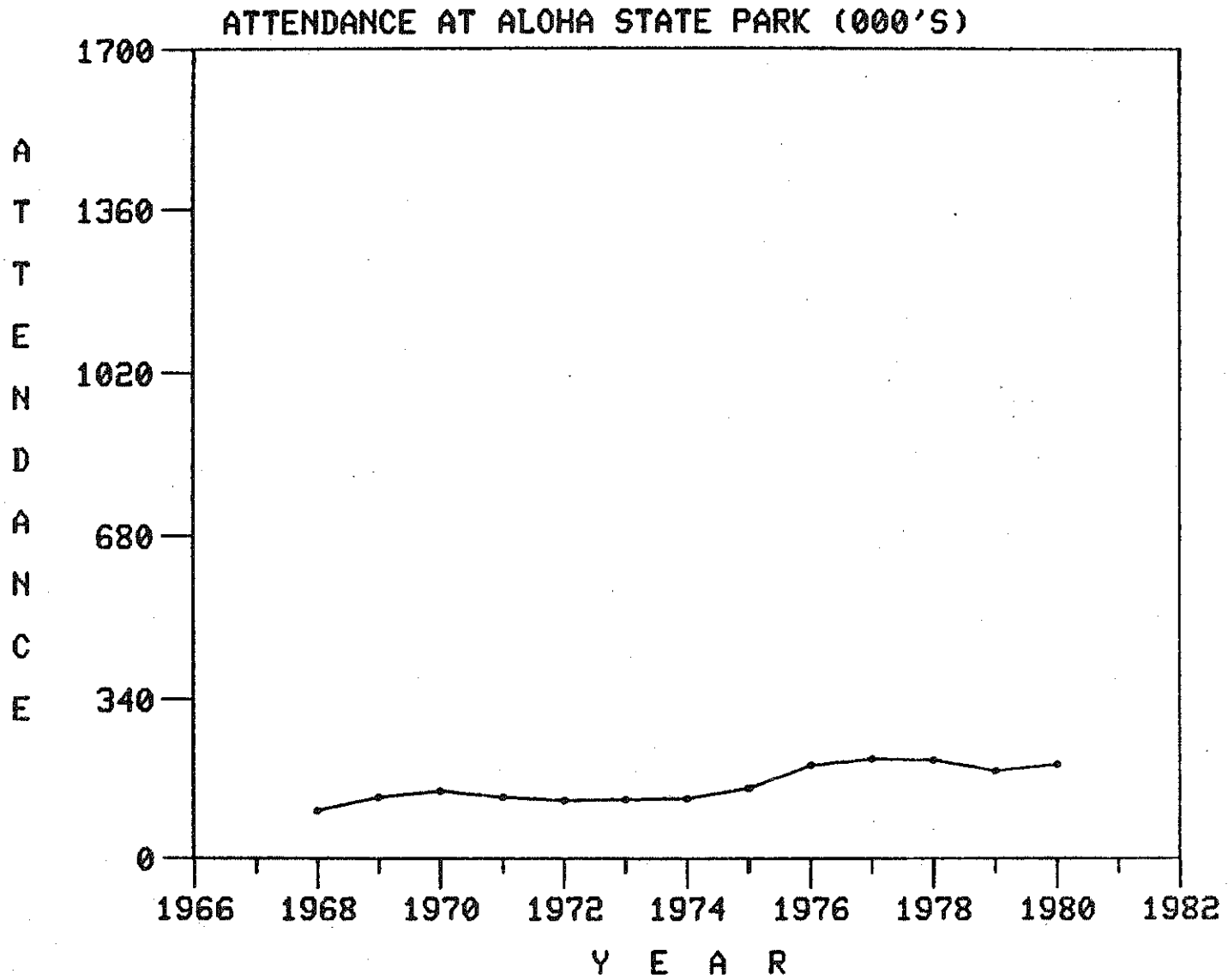


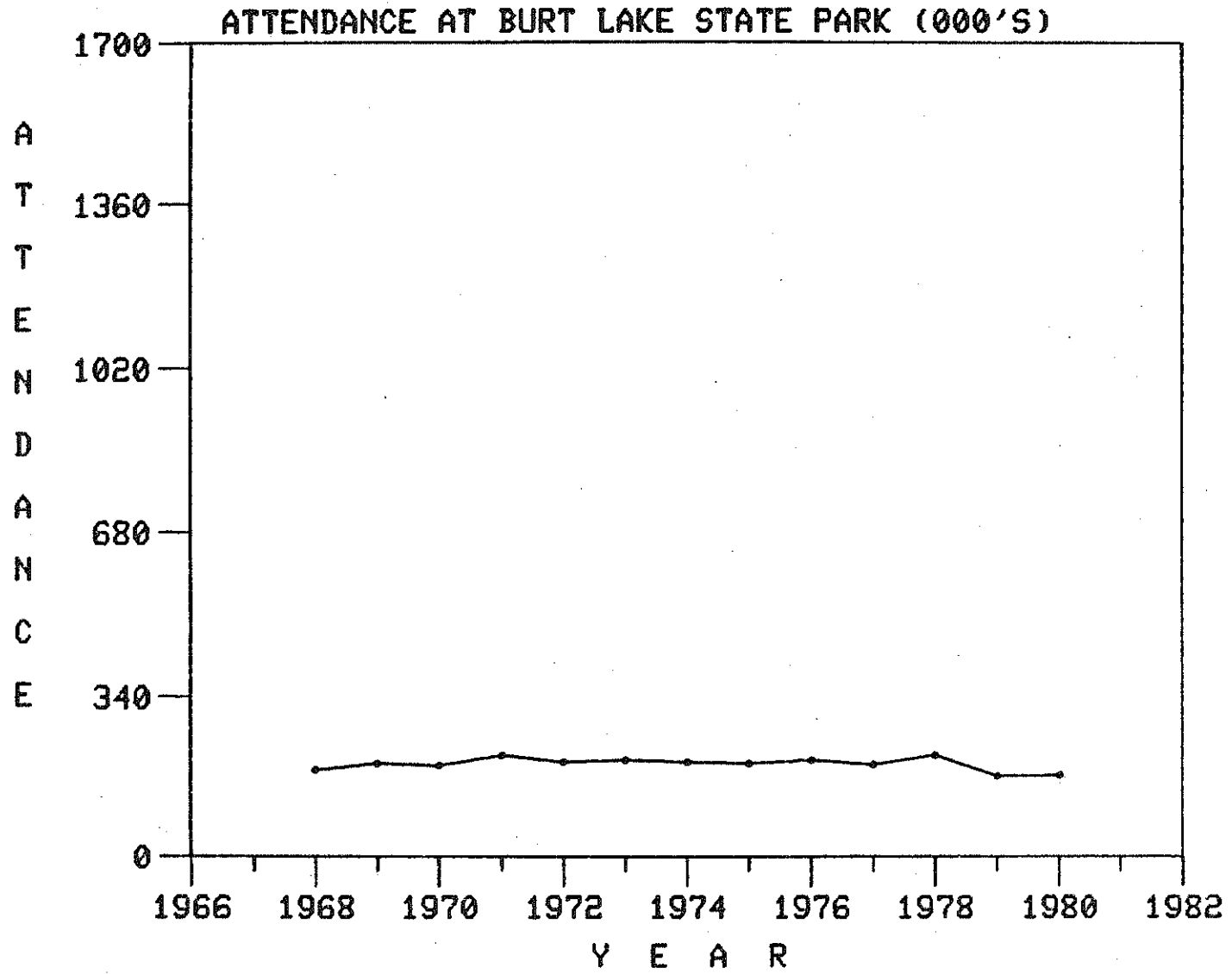
ATTENDANCE AT YANKEE SPRINGS STATE PARK (000'S)



REGION 9

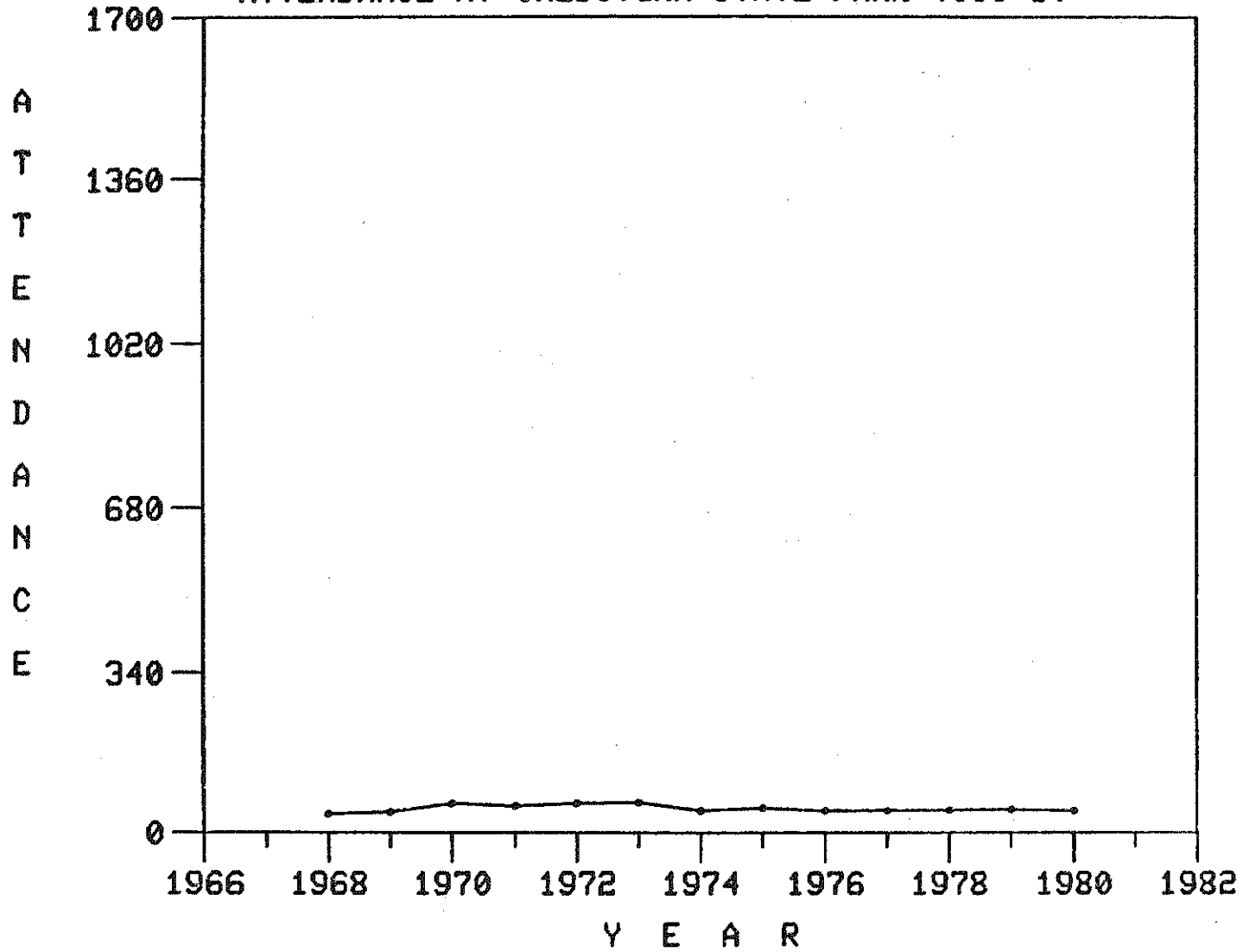




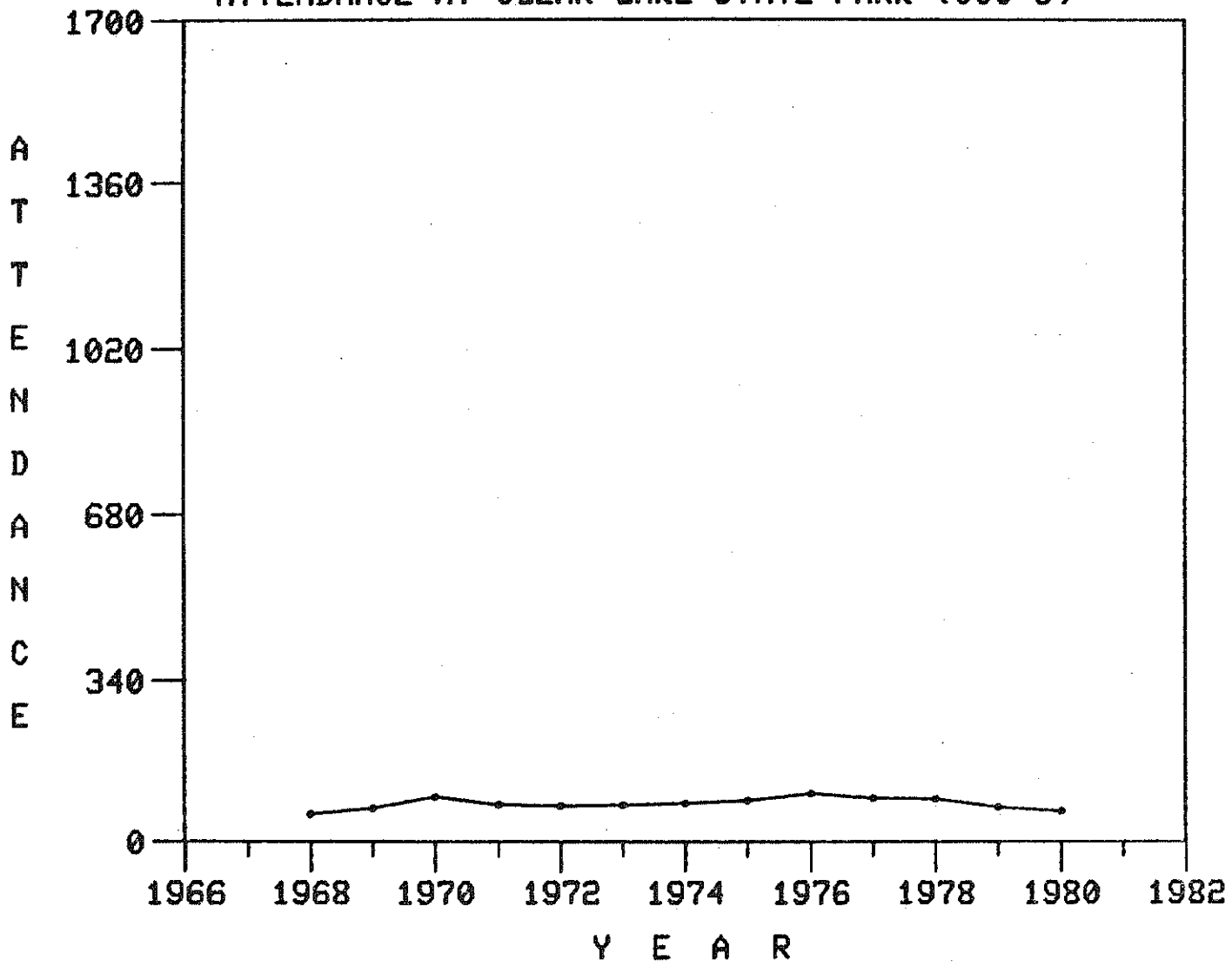


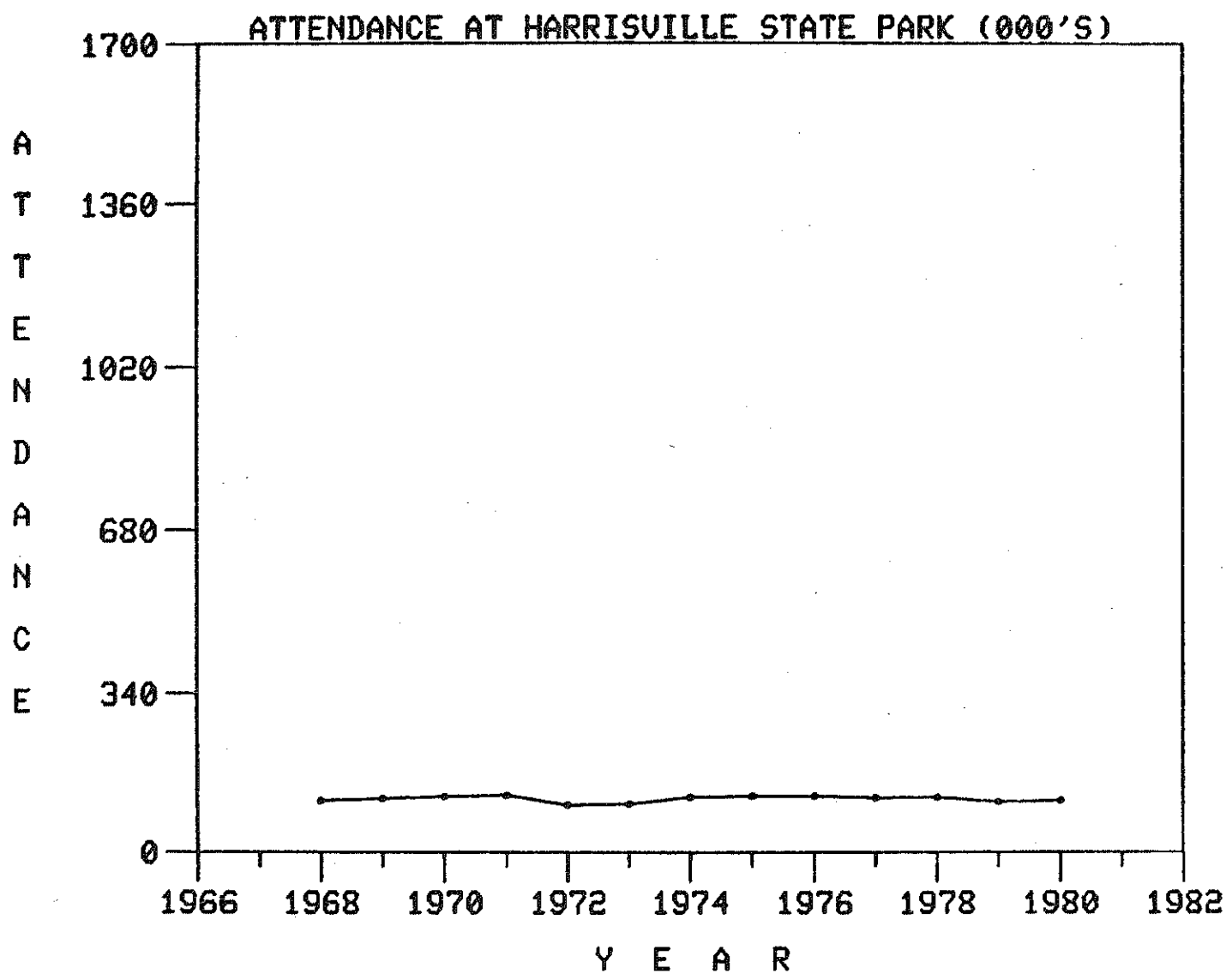


ATTENDANCE AT CHEBOYGAN STATE PARK (000'S)

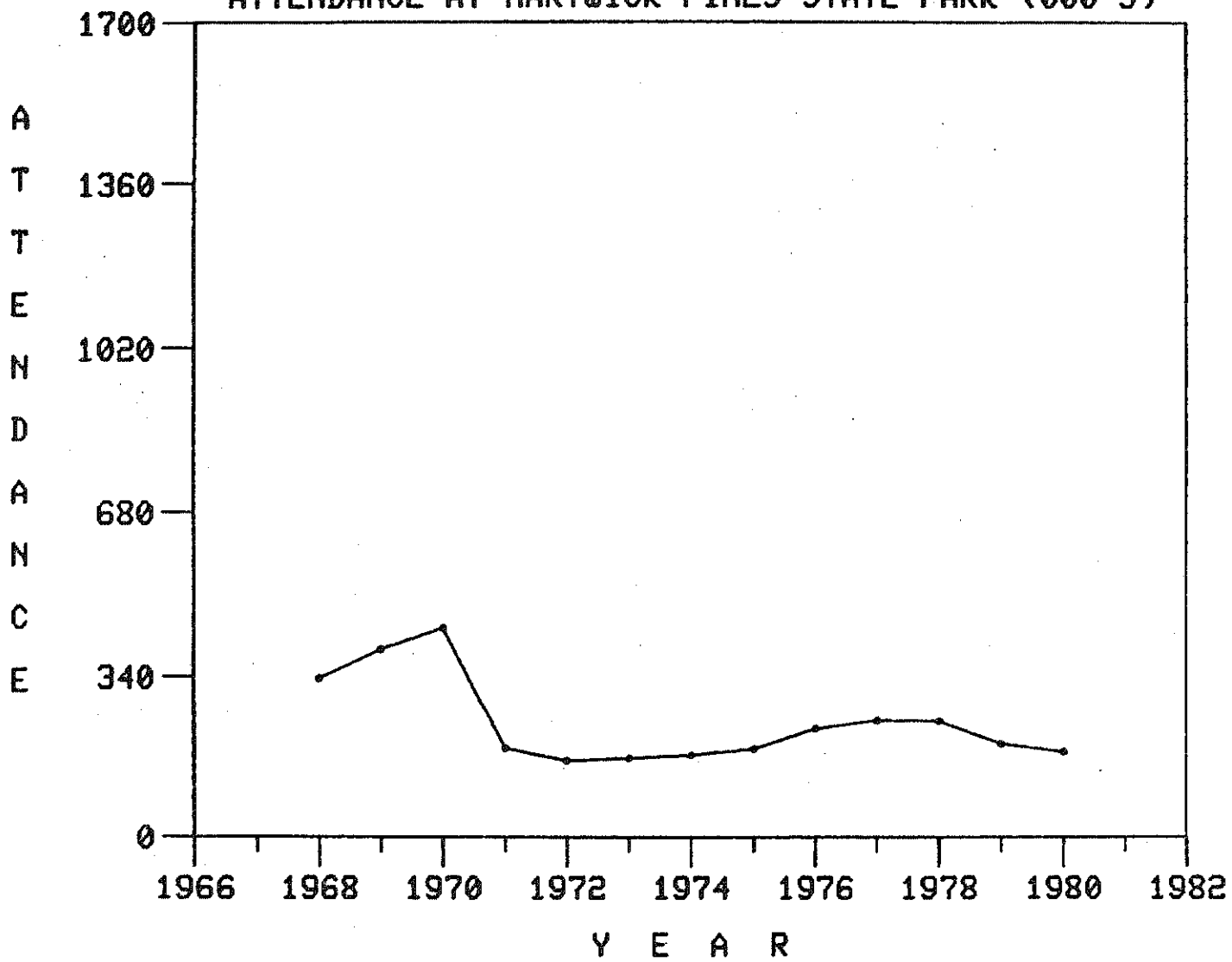


ATTENDANCE AT CLEAR LAKE STATE PARK (000'S)

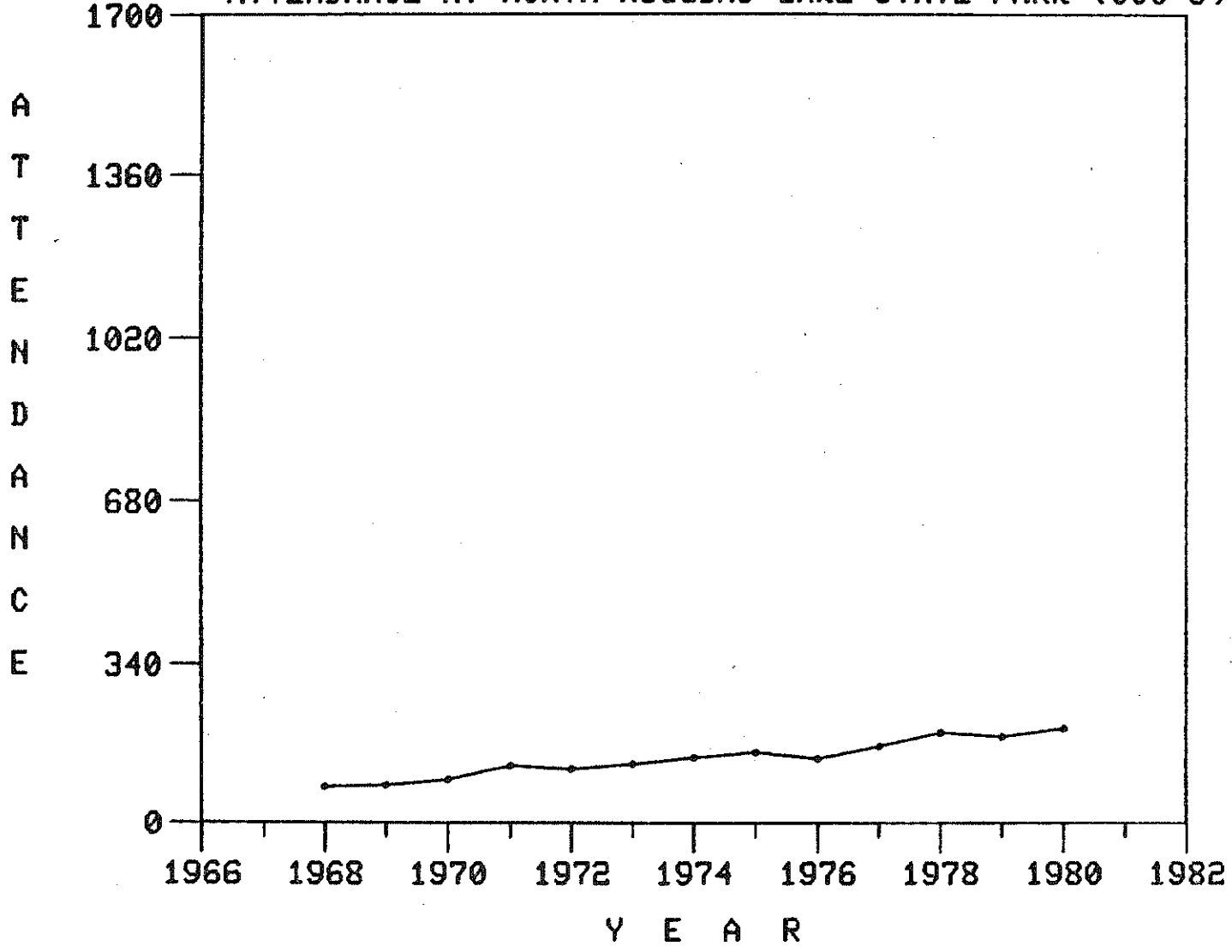




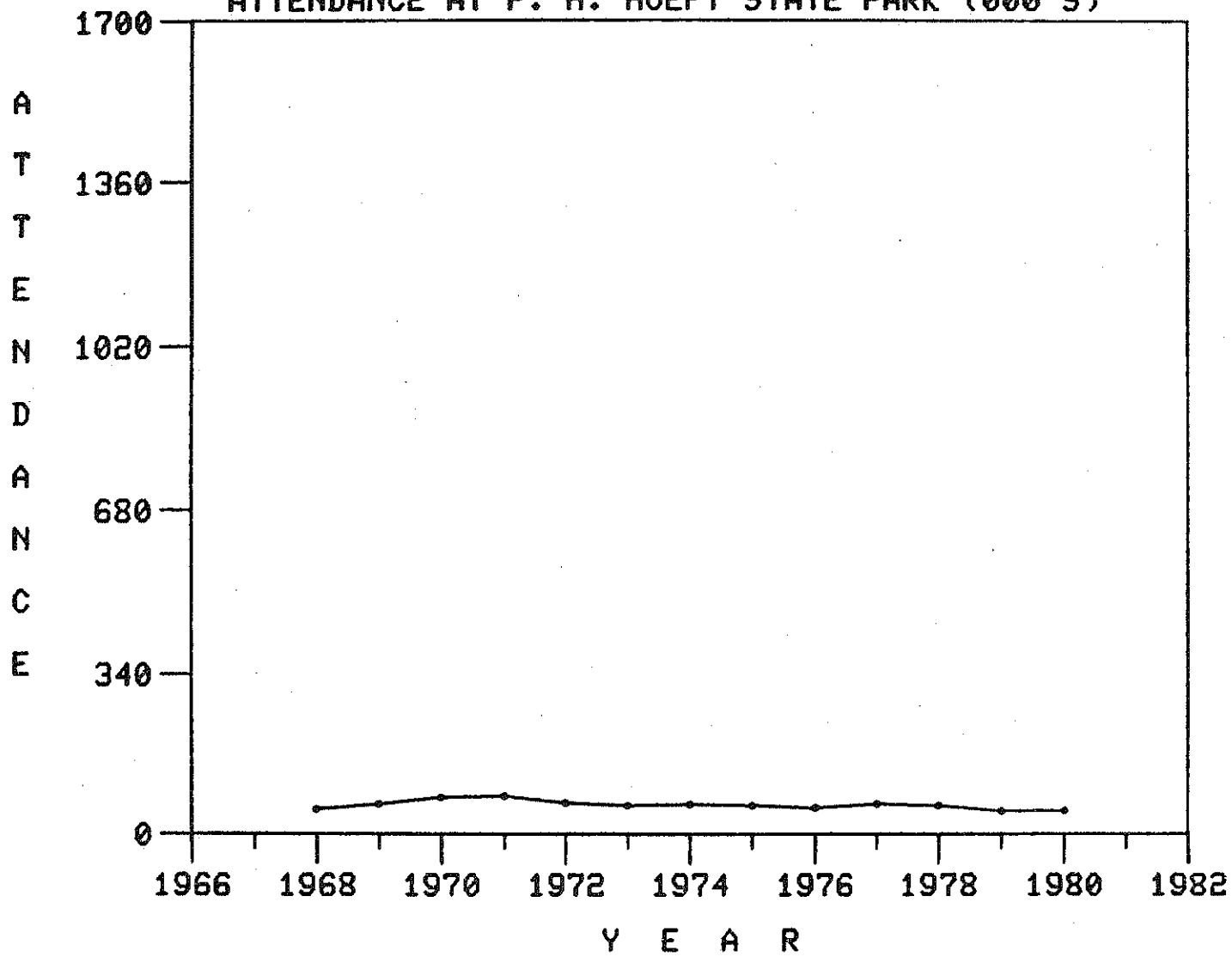
ATTENDANCE AT HARTWICK PINES STATE PARK (000'S)

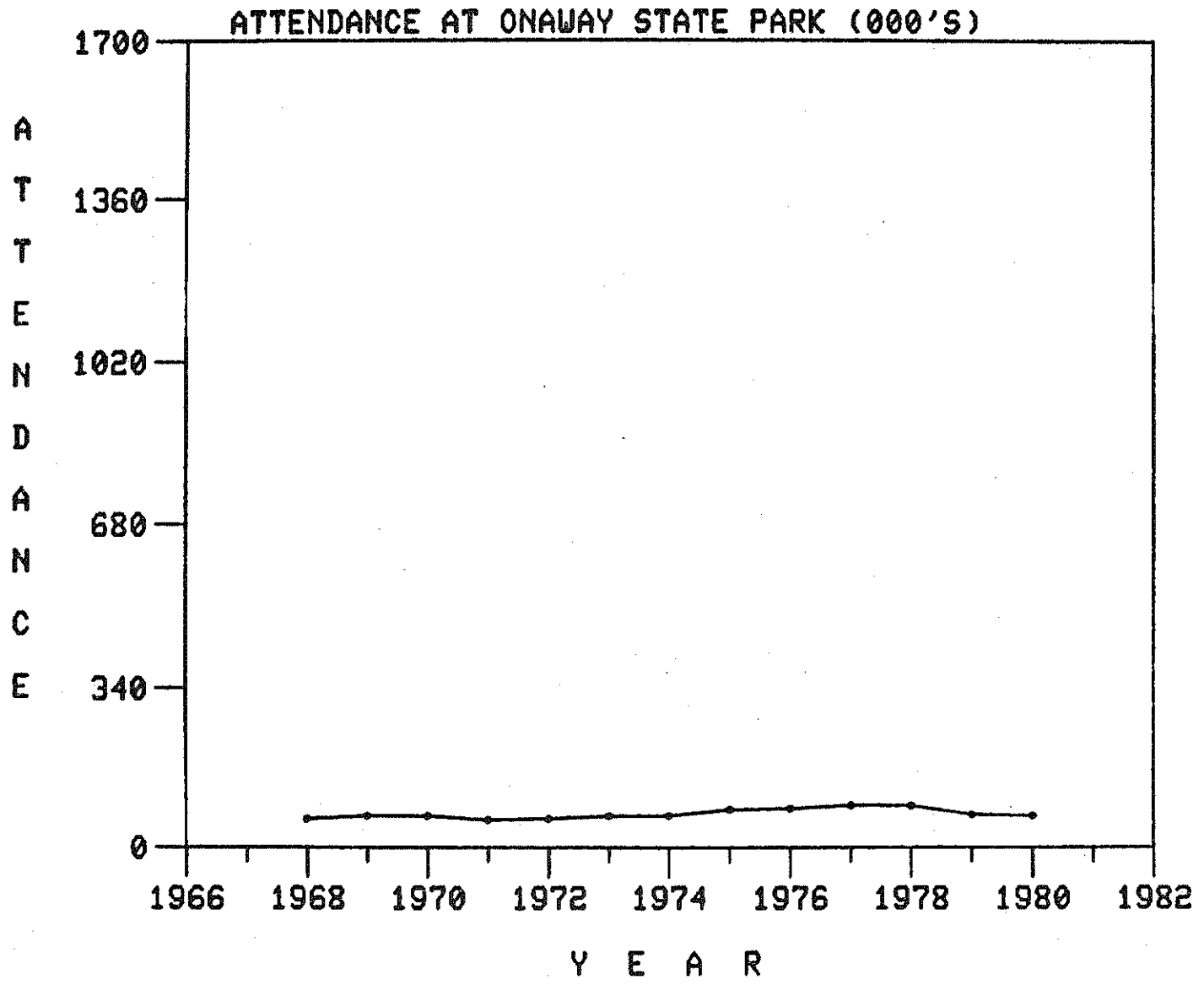


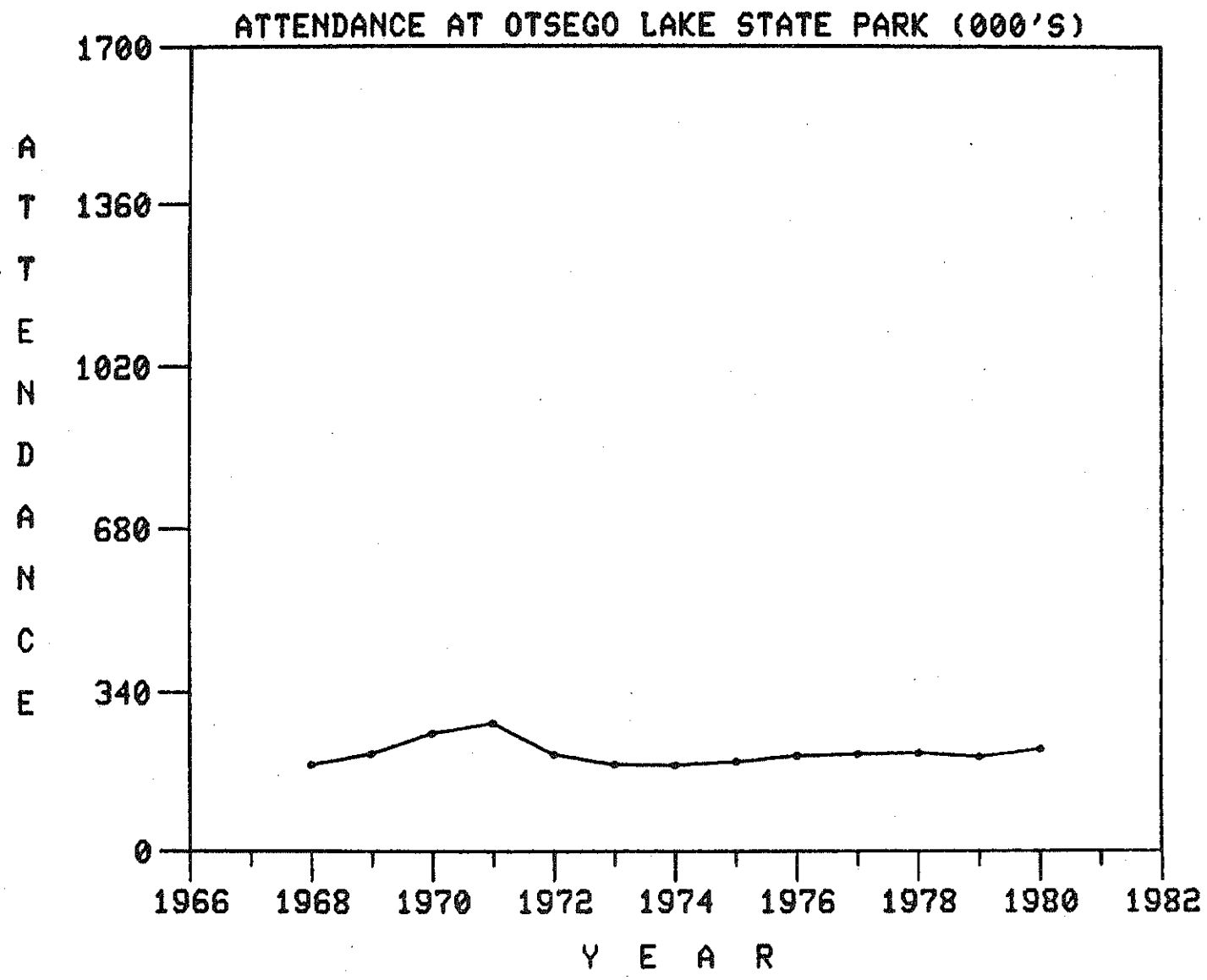
ATTENDANCE AT NORTH HIGGINS LAKE STATE PARK (000'S)



ATTENDANCE AT P. H. HOEFT STATE PARK (000'S)

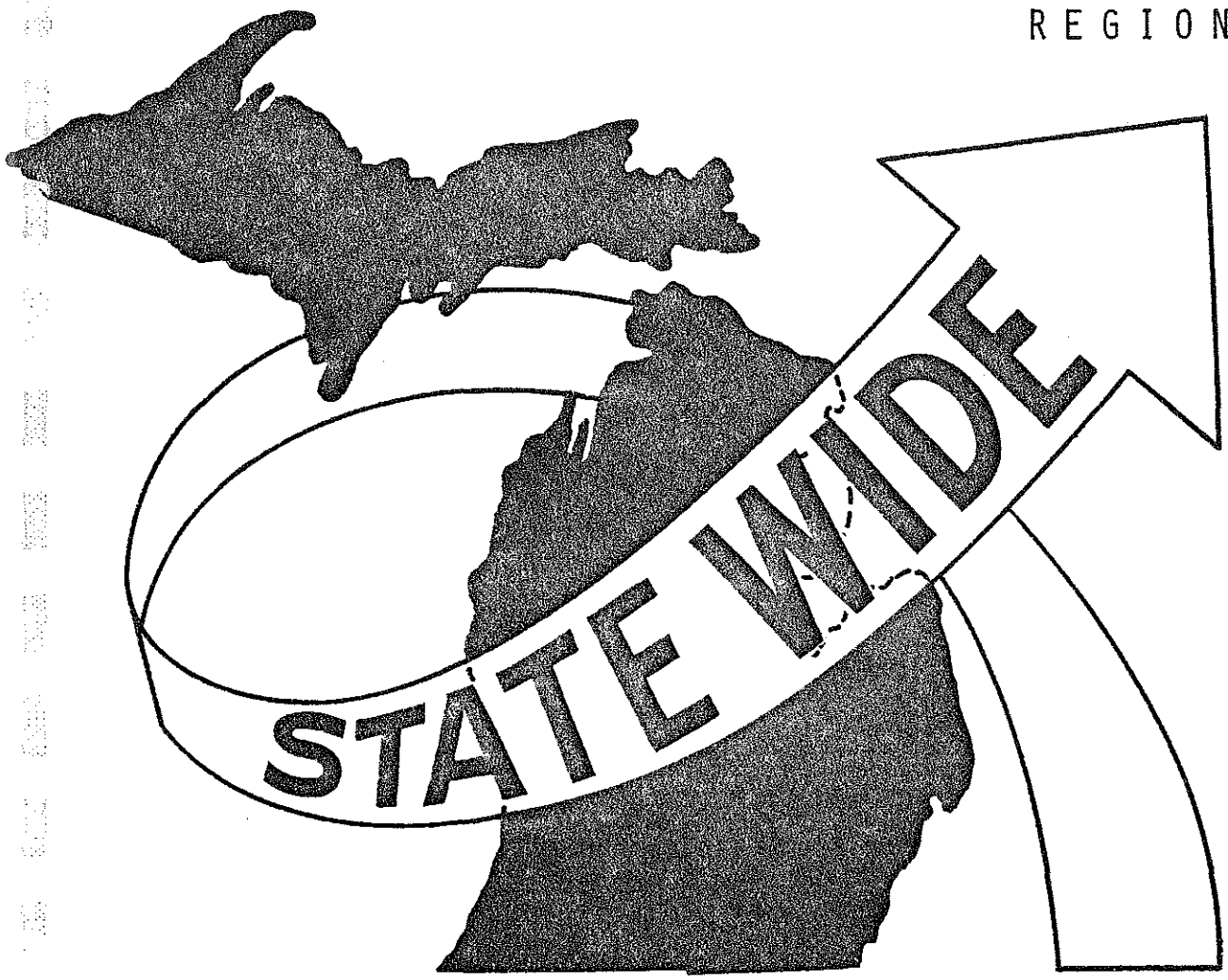




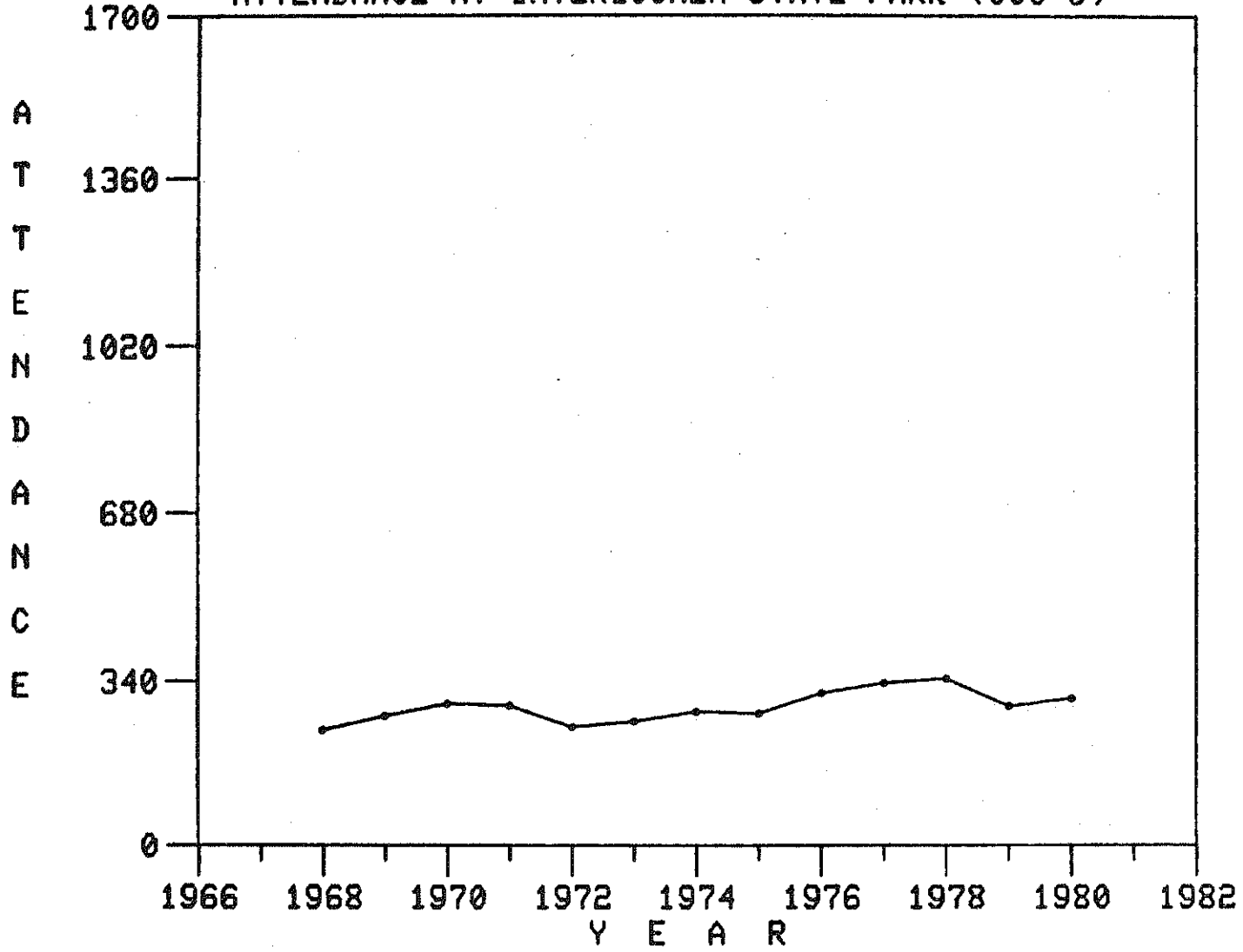




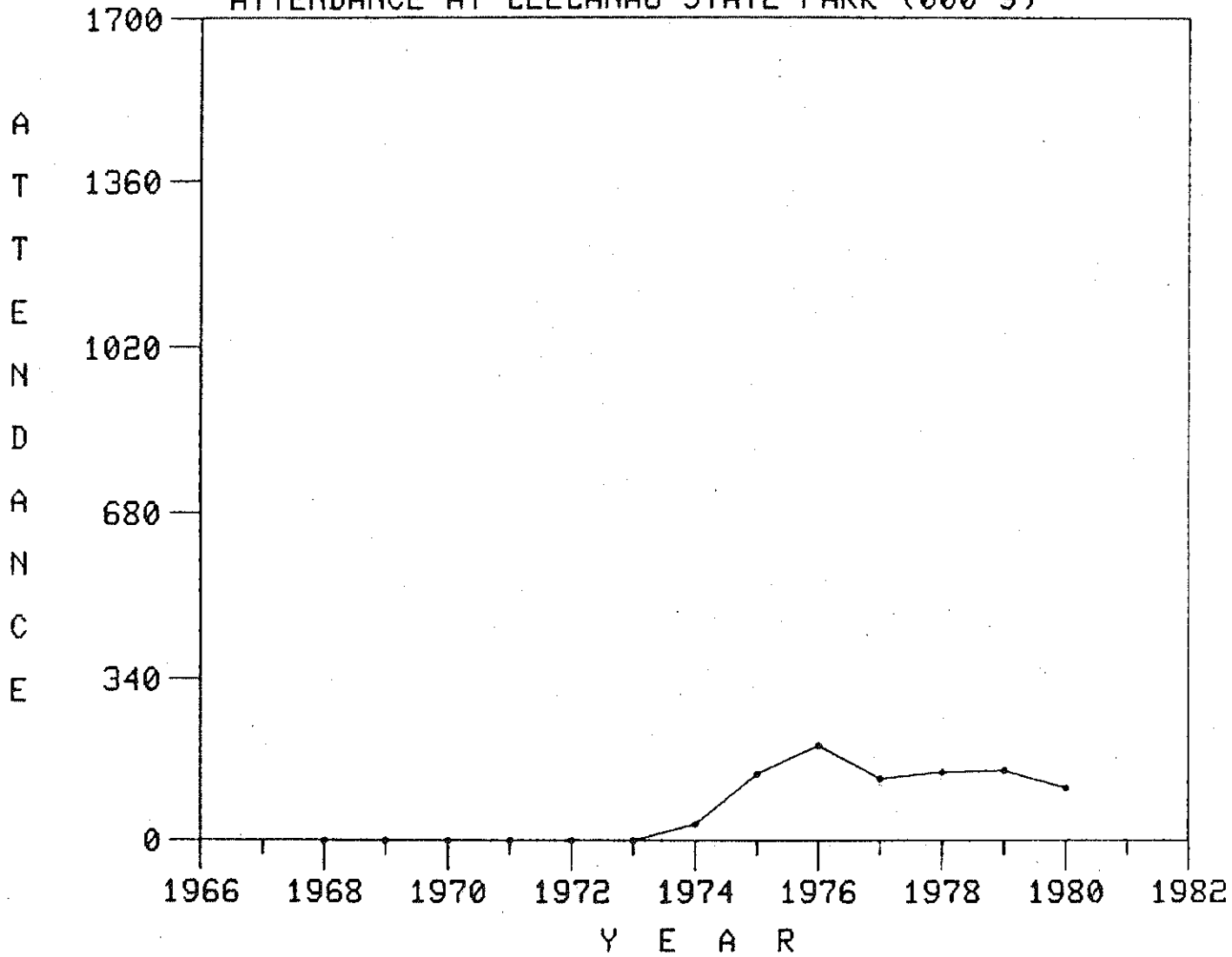
REGION 10



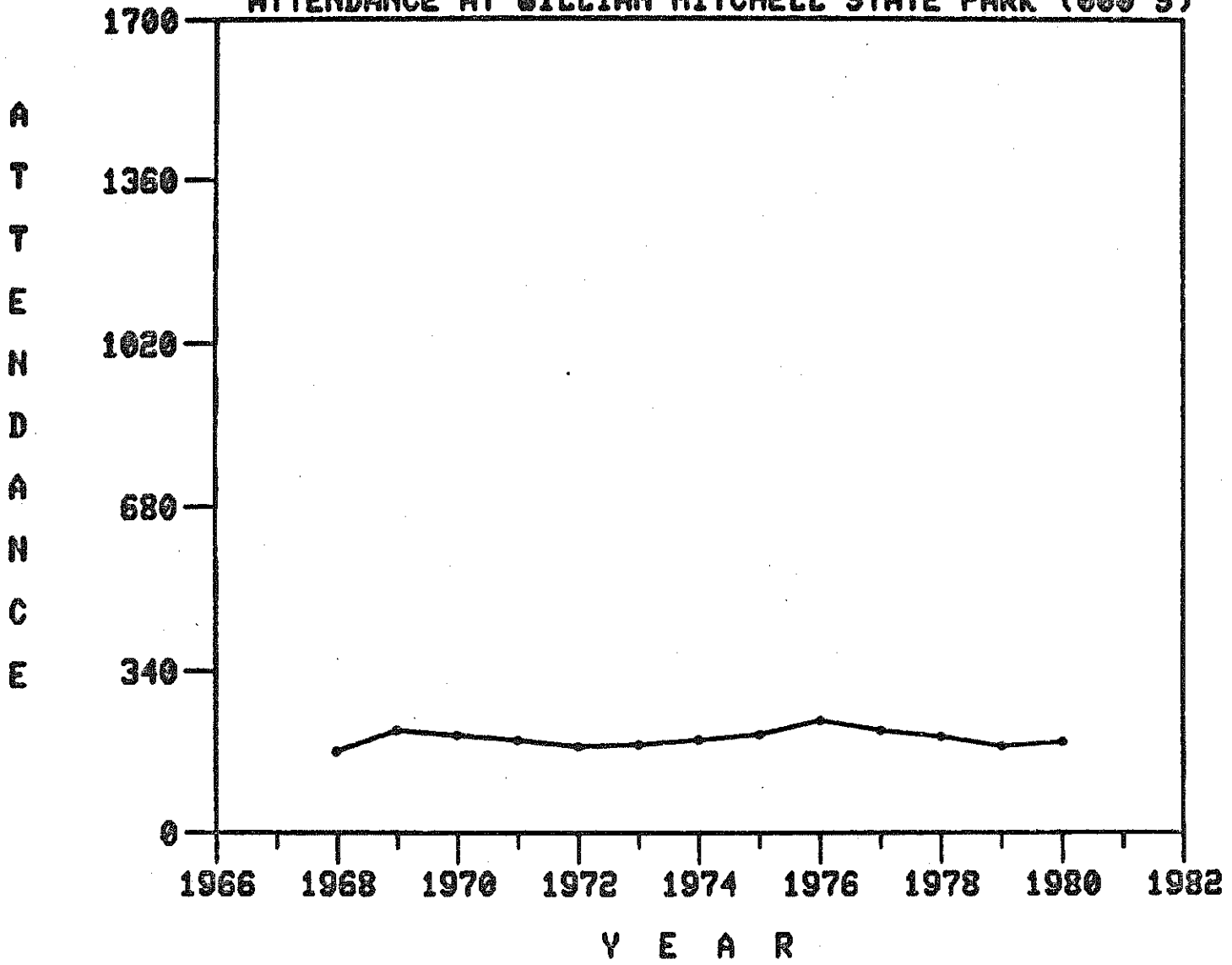
ATTENDANCE AT INTERLOCHEN STATE PARK (000'S)



ATTENDANCE AT LEELANAU STATE PARK (000'S)

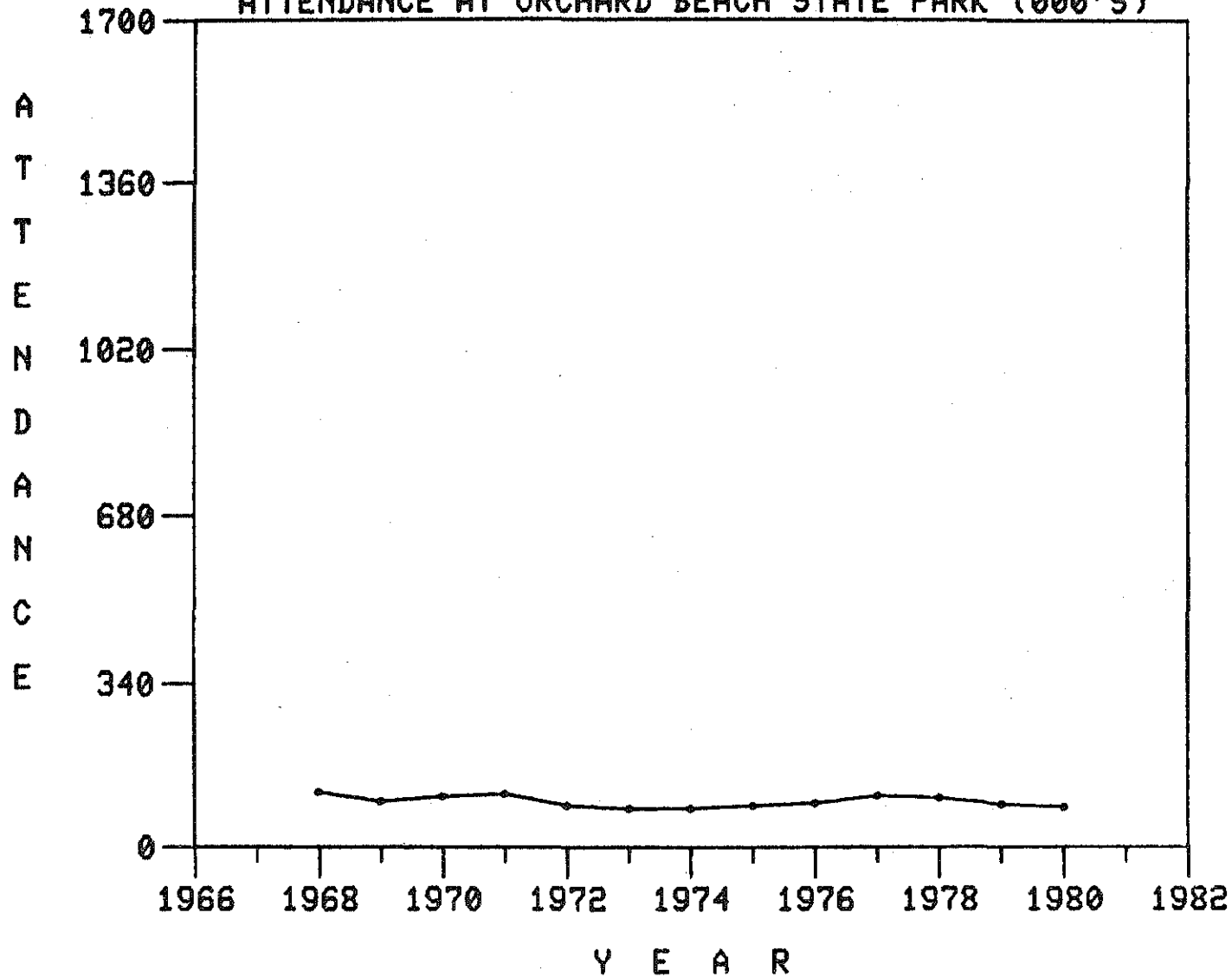


ATTENDANCE AT WILLIAM MITCHELL STATE PARK (000'S)

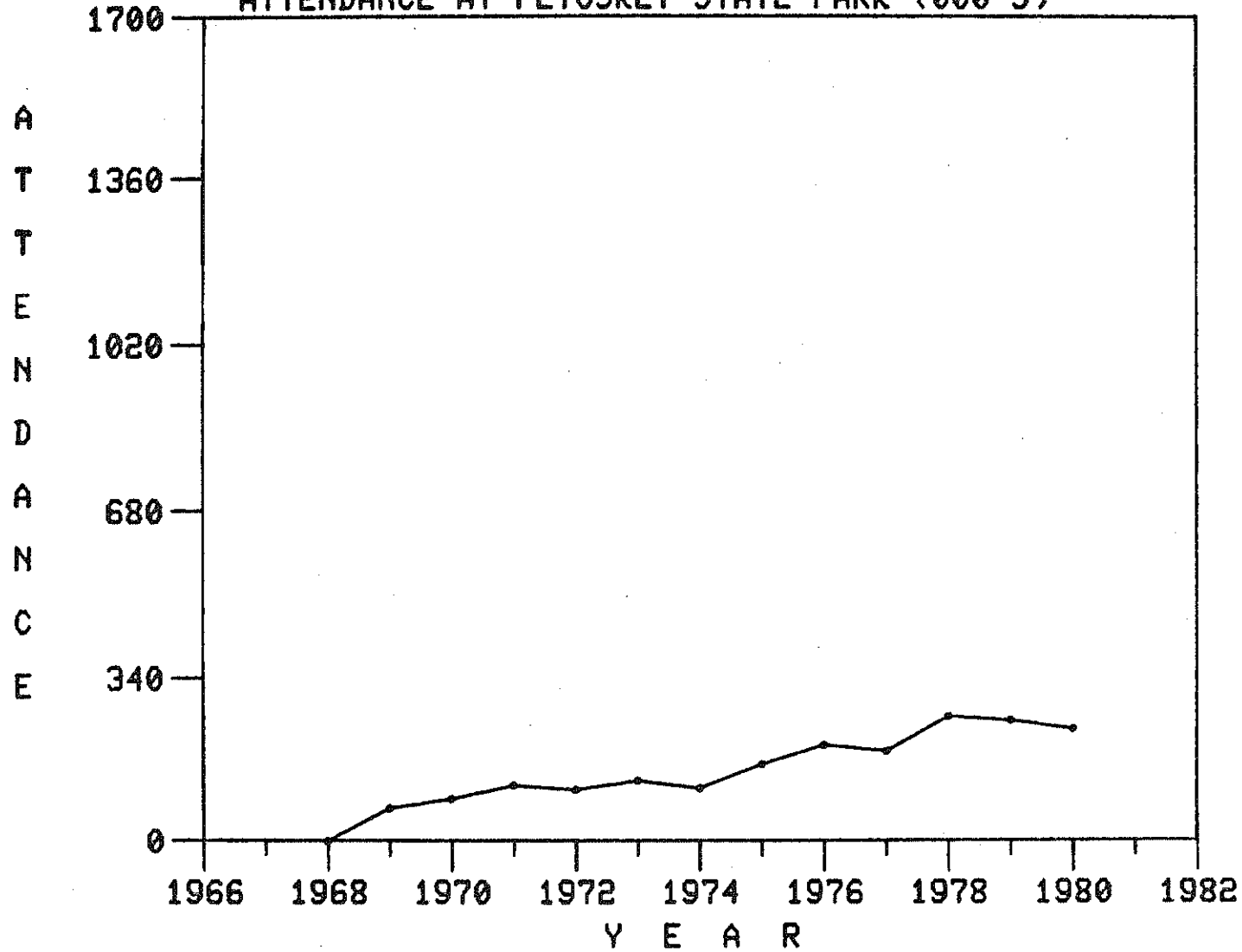


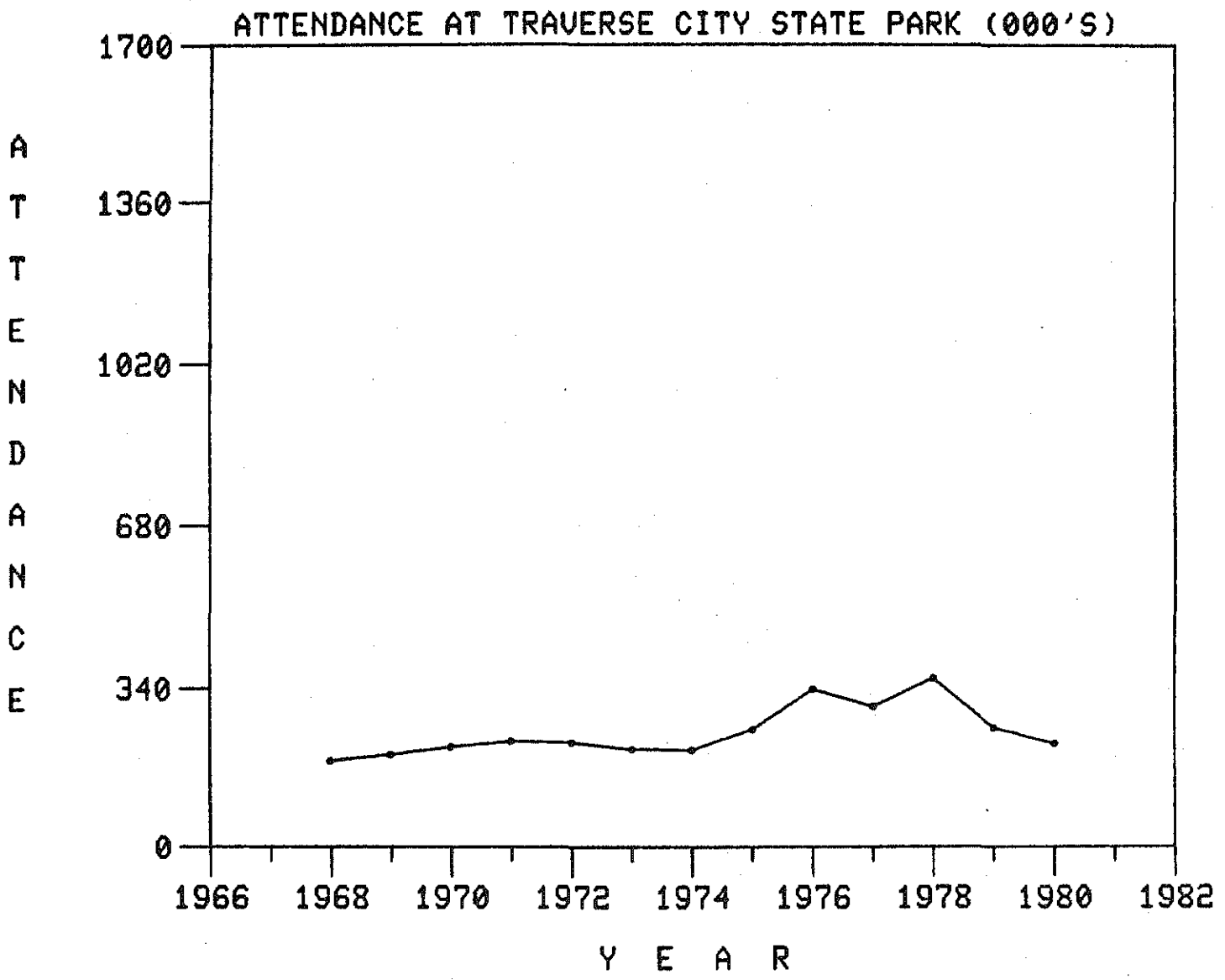
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ATTENDANCE AT ORCHARD BEACH STATE PARK (000'S)

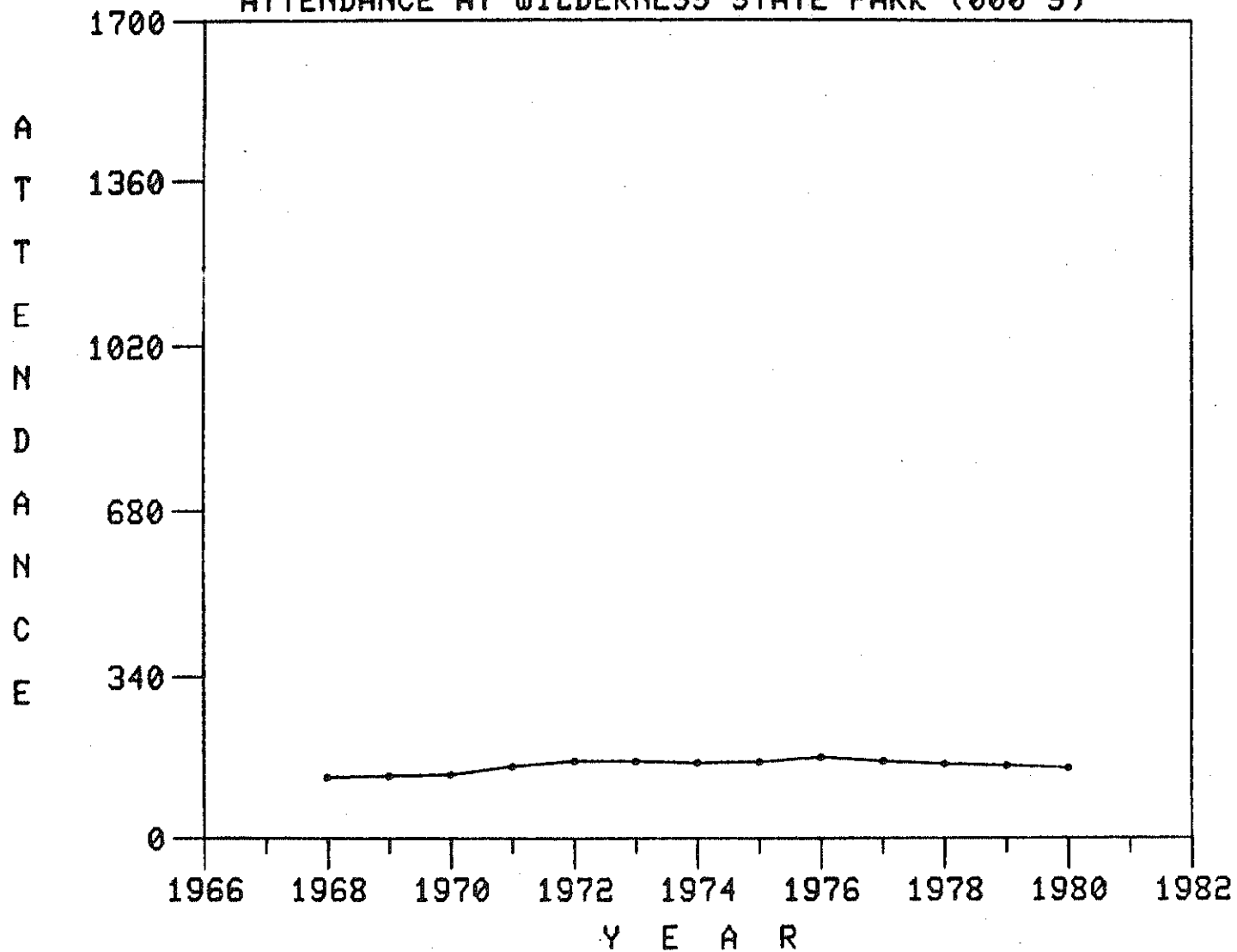


ATTENDANCE AT PETOSKEY STATE PARK (000'S)



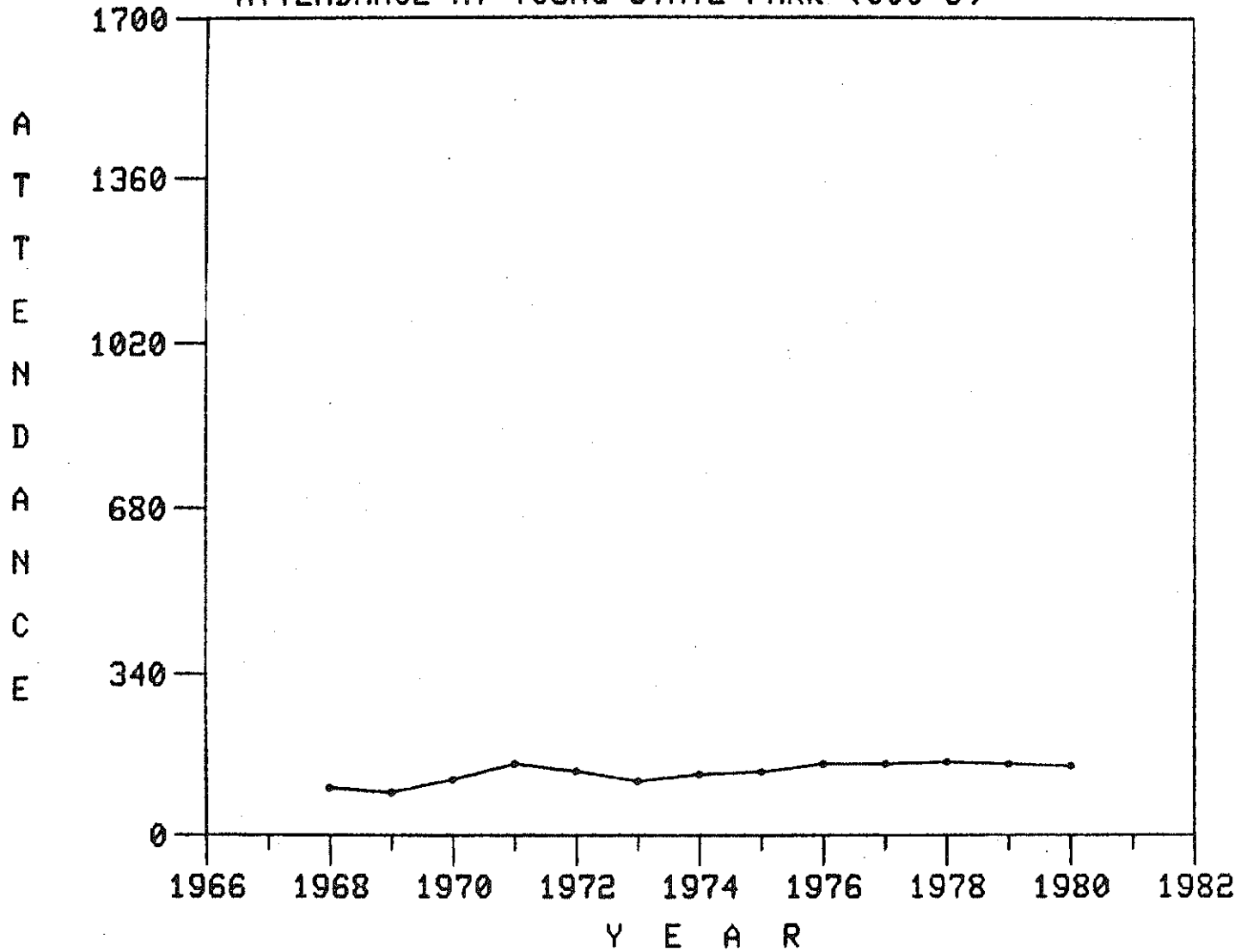


ATTENDANCE AT WILDERNESS STATE PARK (000'S)

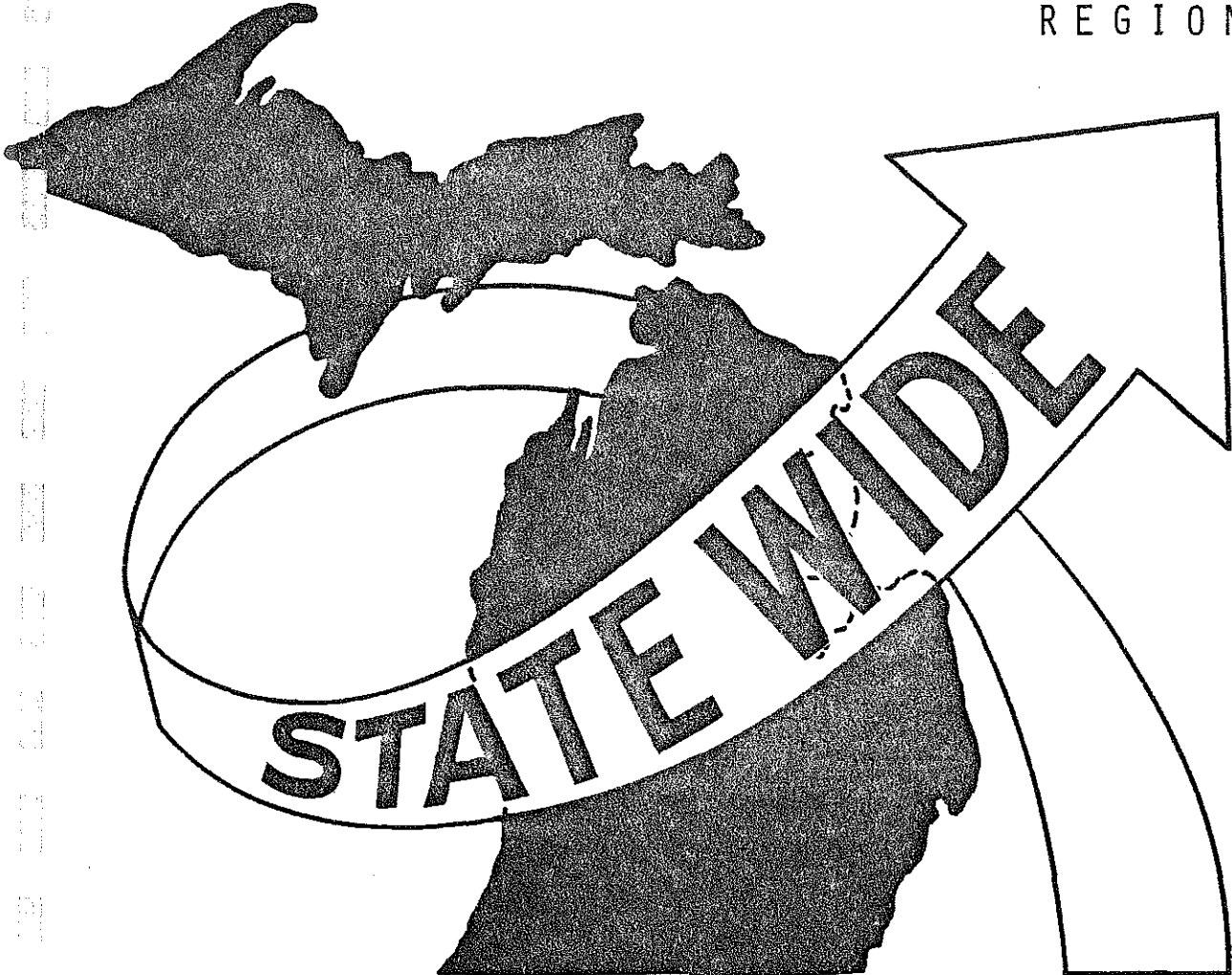




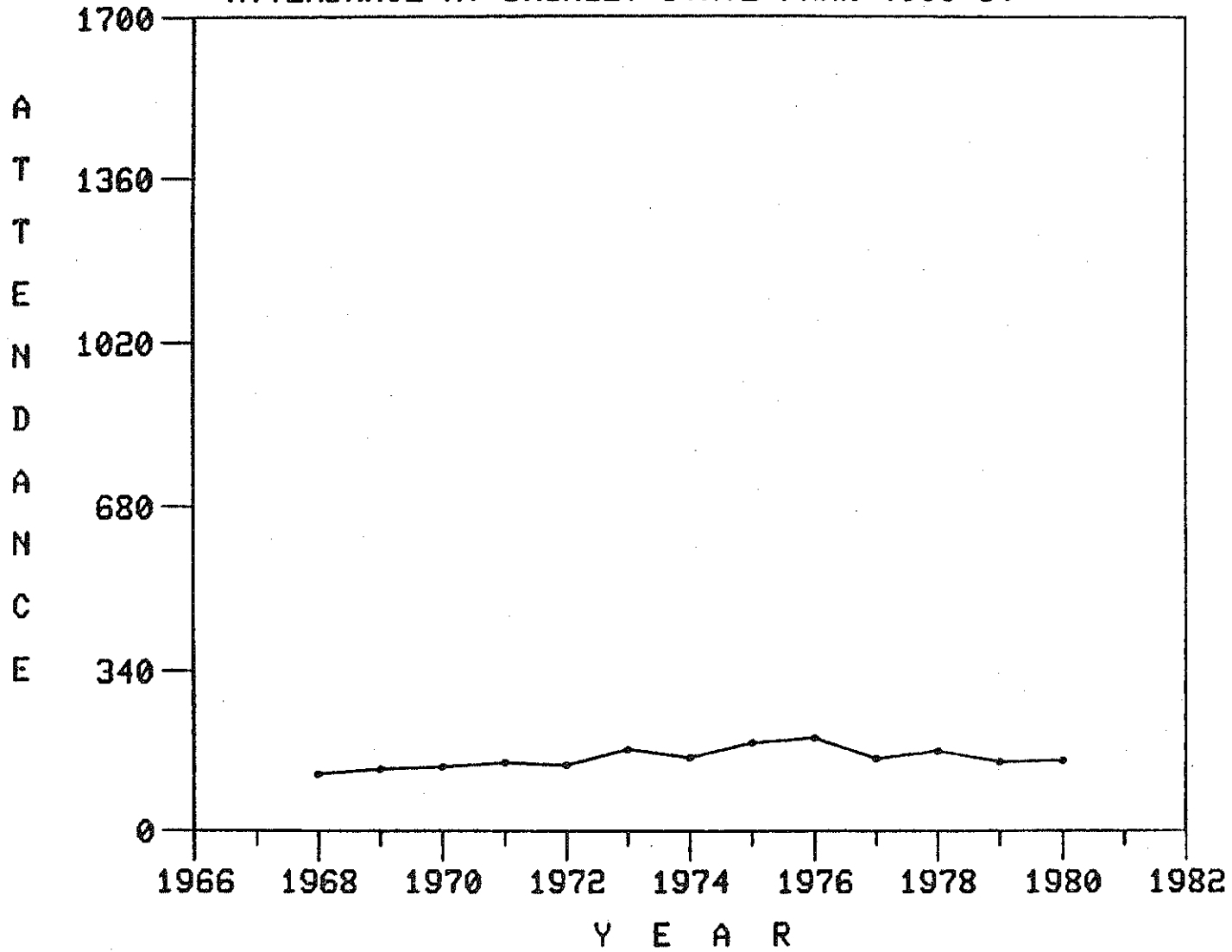
ATTENDANCE AT YOUNG STATE PARK (000'S)



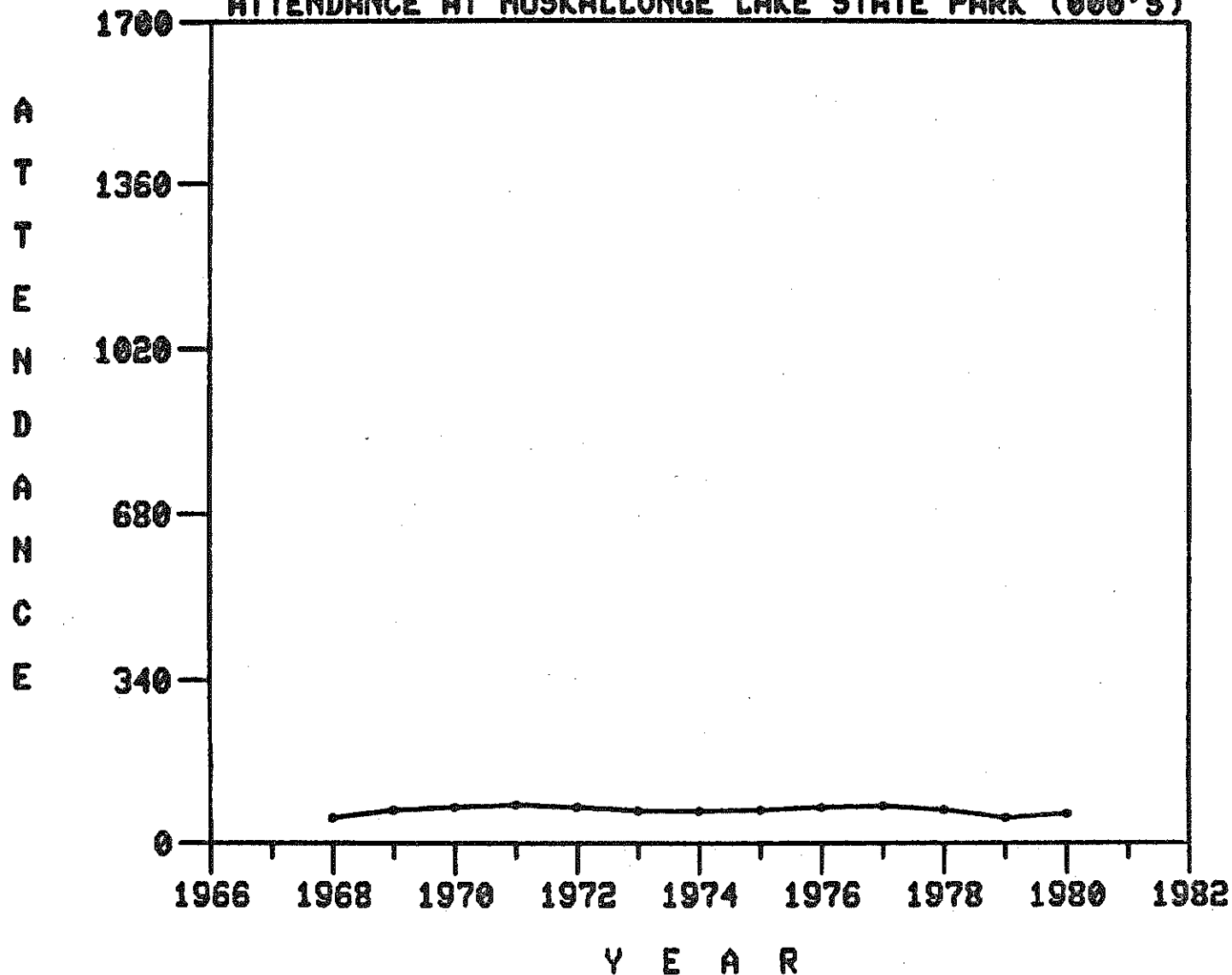
REGION 11

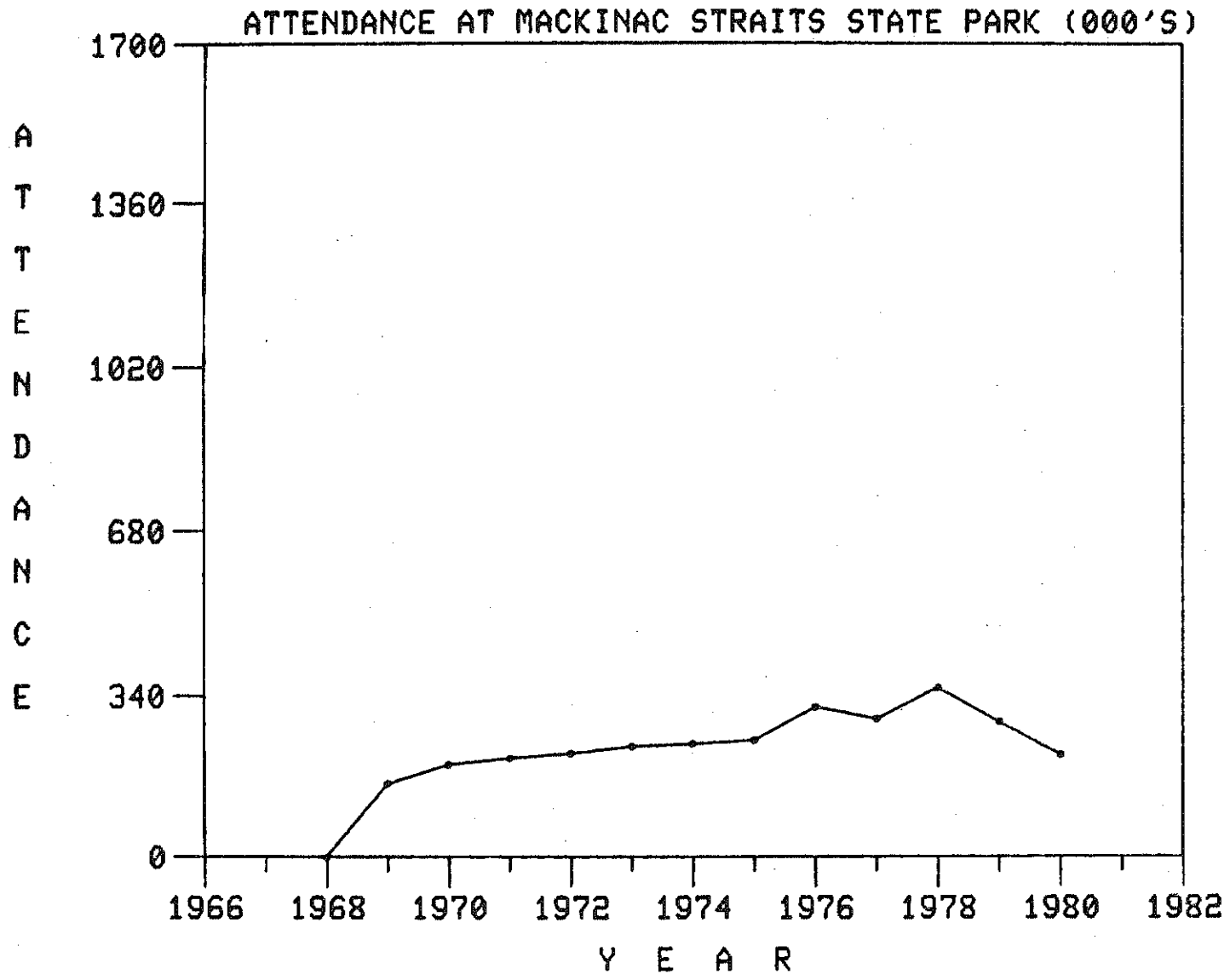


ATTENDANCE AT BRIMLEY STATE PARK (000'S)

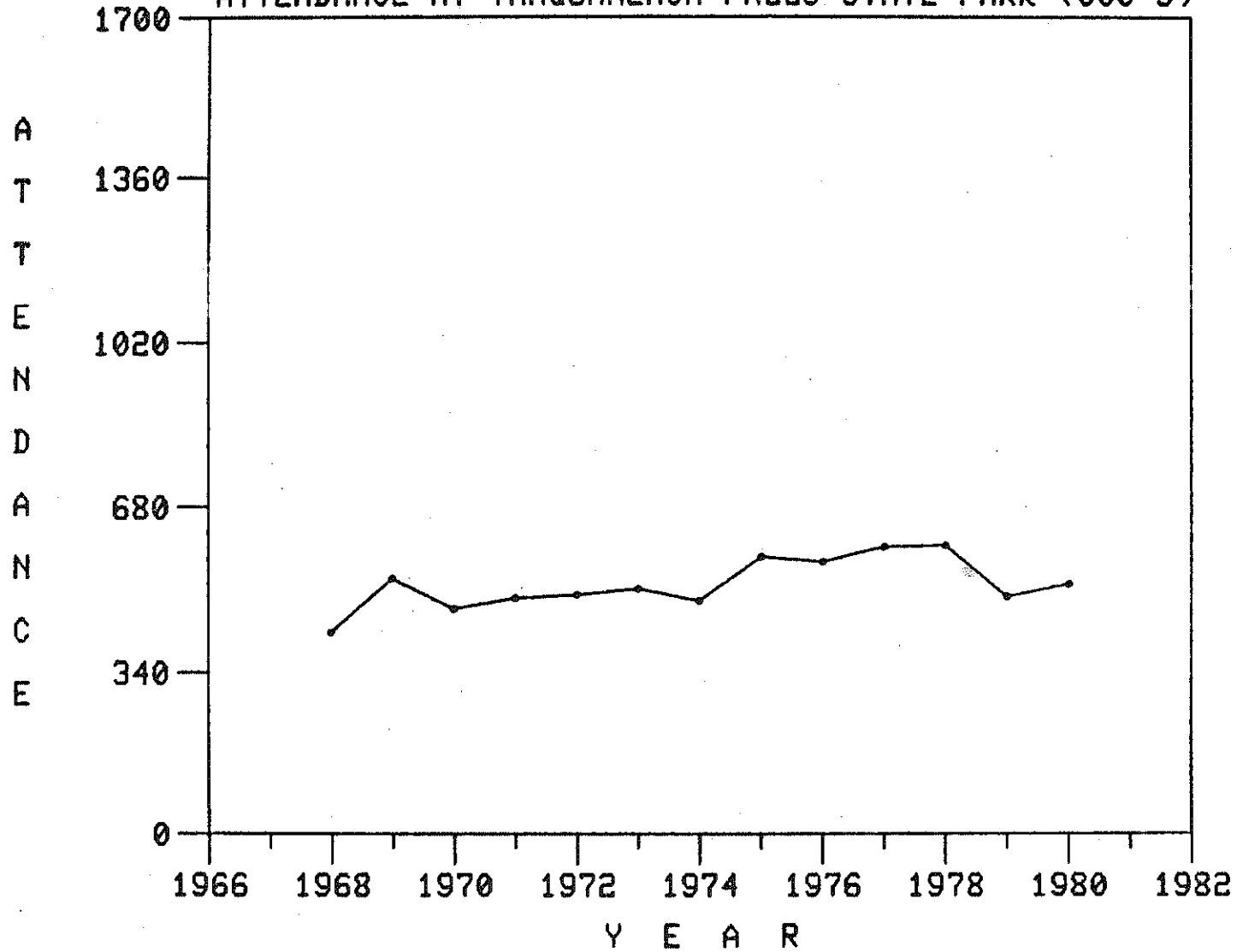


ATTENDANCE AT MUSKALLONGE LAKE STATE PARK (000'S)

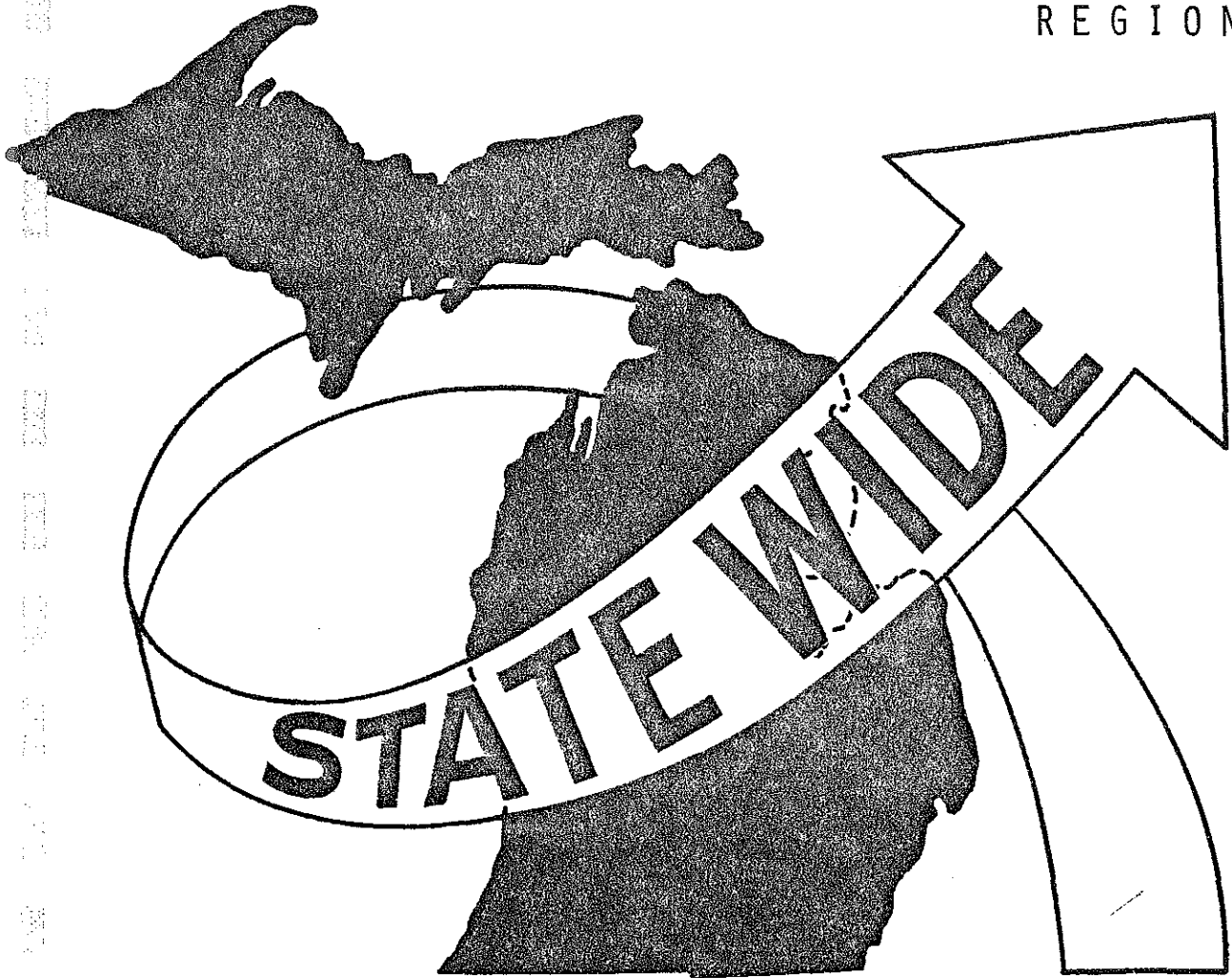




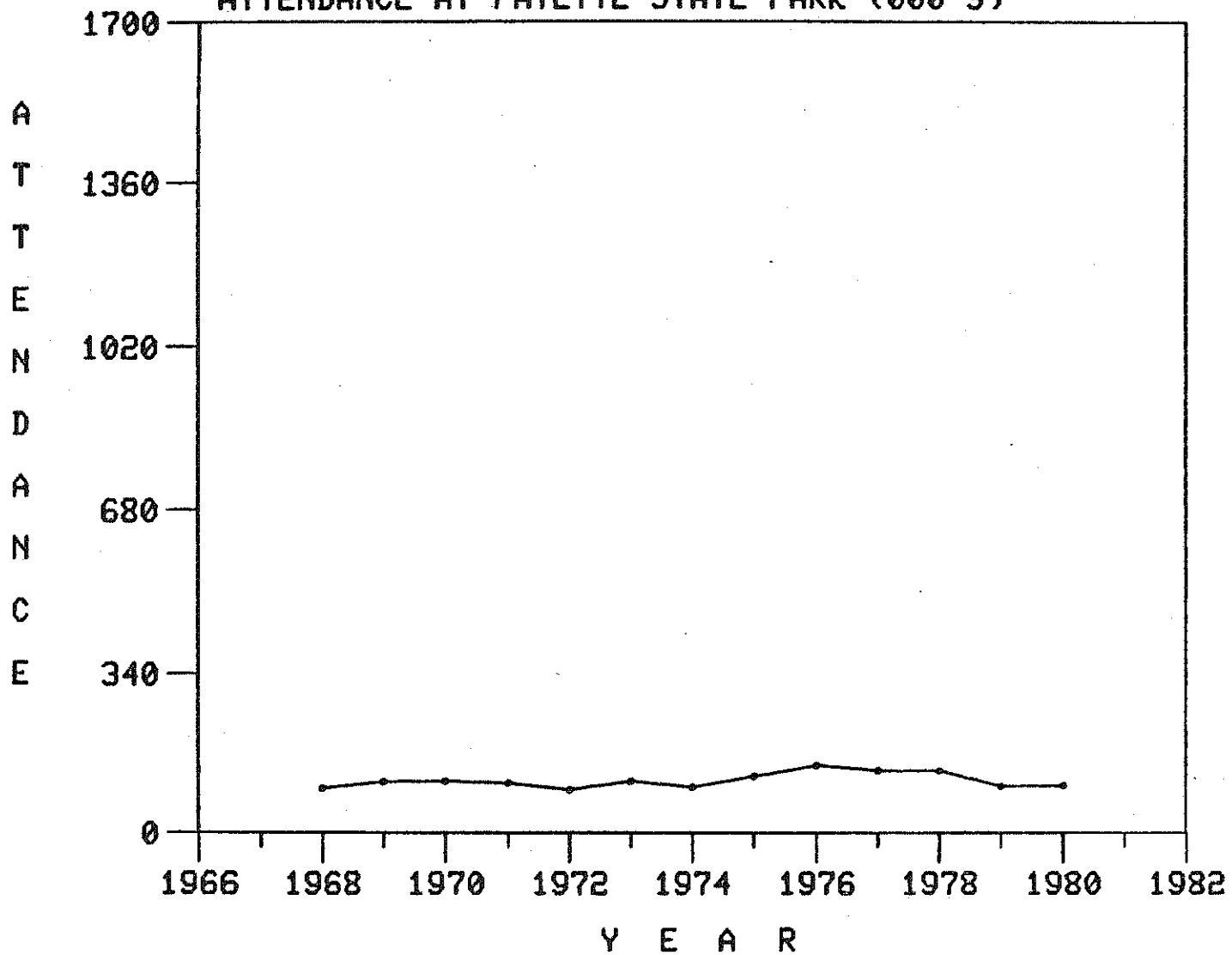
ATTENDANCE AT TAHQUAMENON FALLS STATE PARK (000'S)



REGION 12

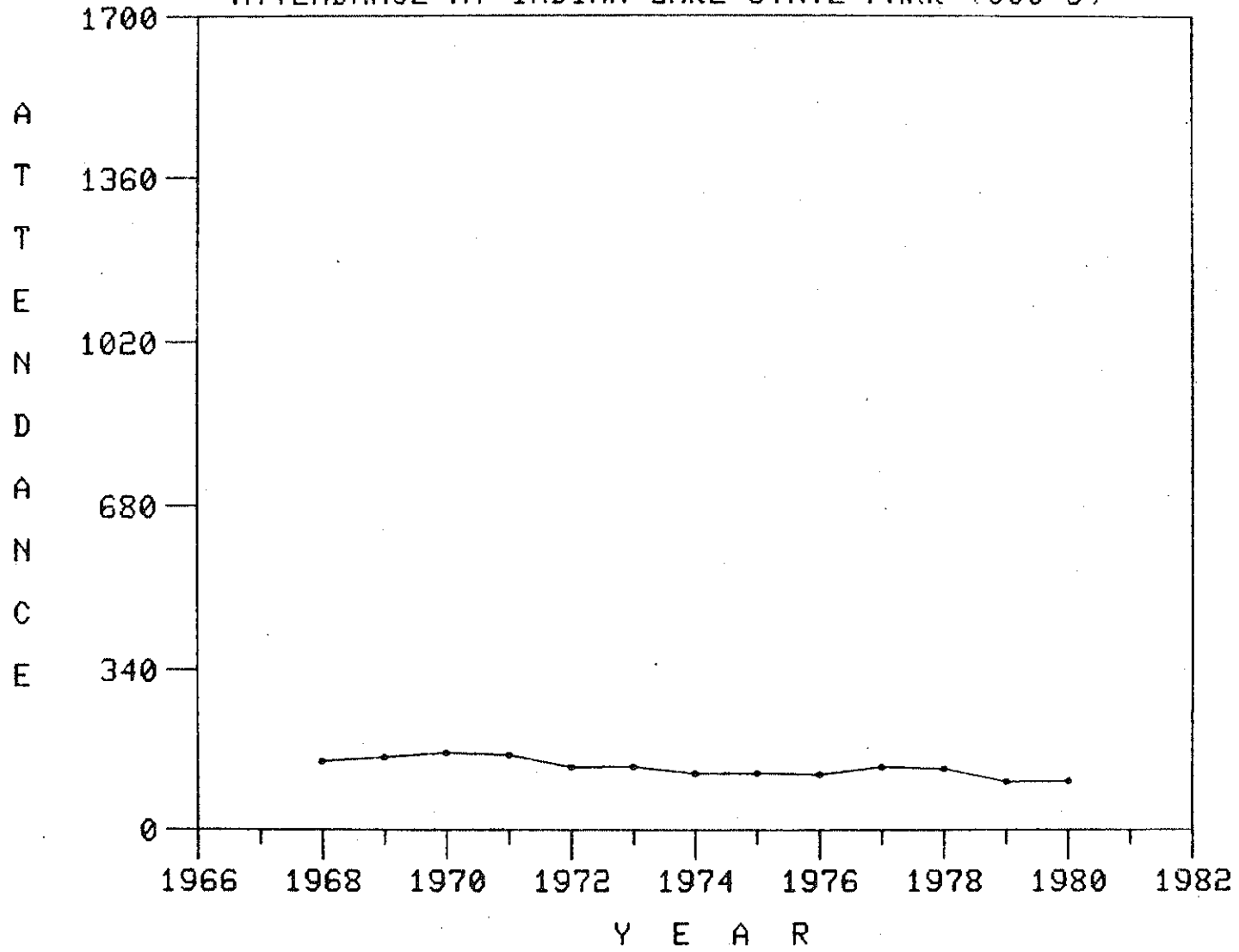


ATTENDANCE AT FAYETTE STATE PARK (000'S)

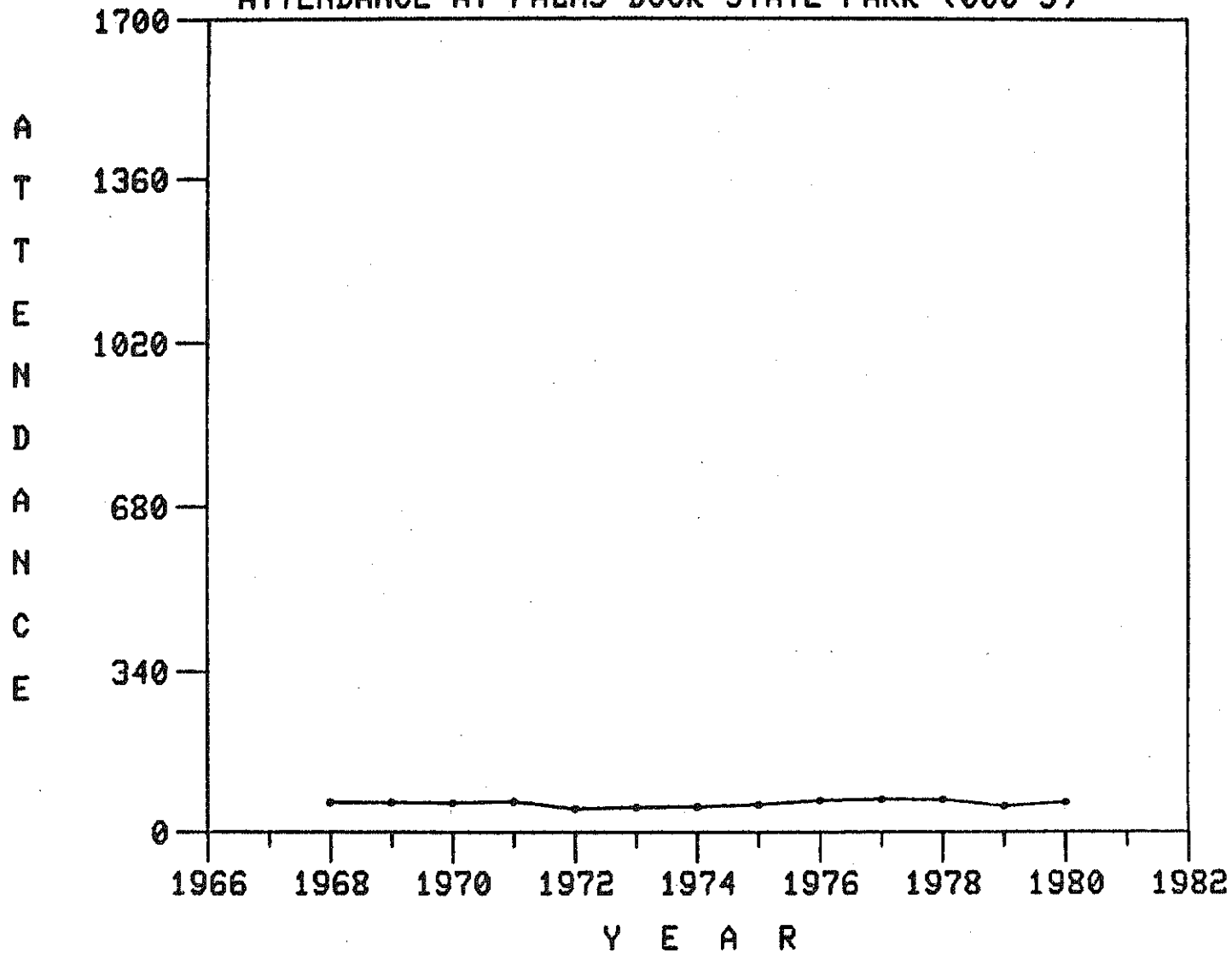




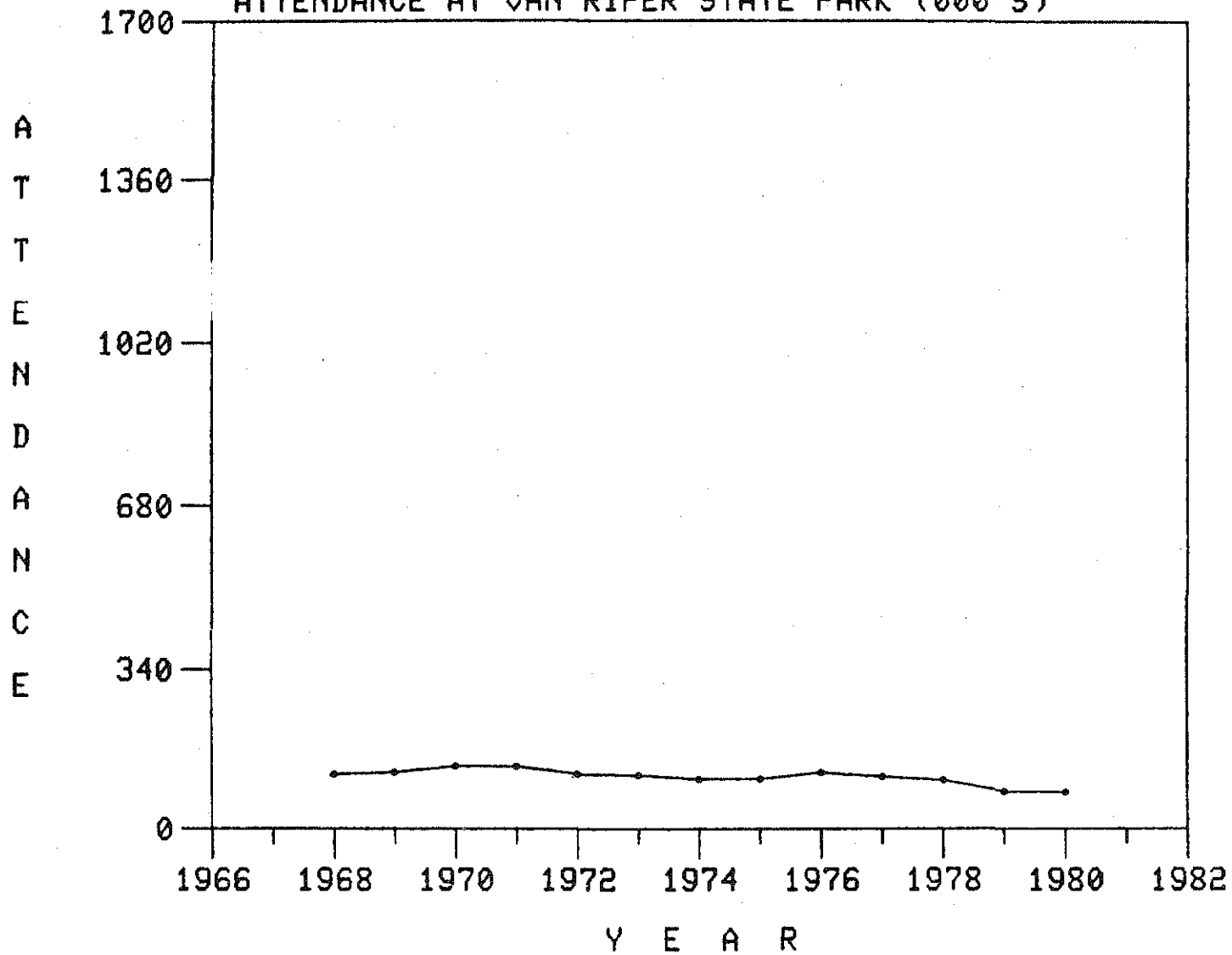
ATTENDANCE AT INDIAN LAKE STATE PARK (000'S)



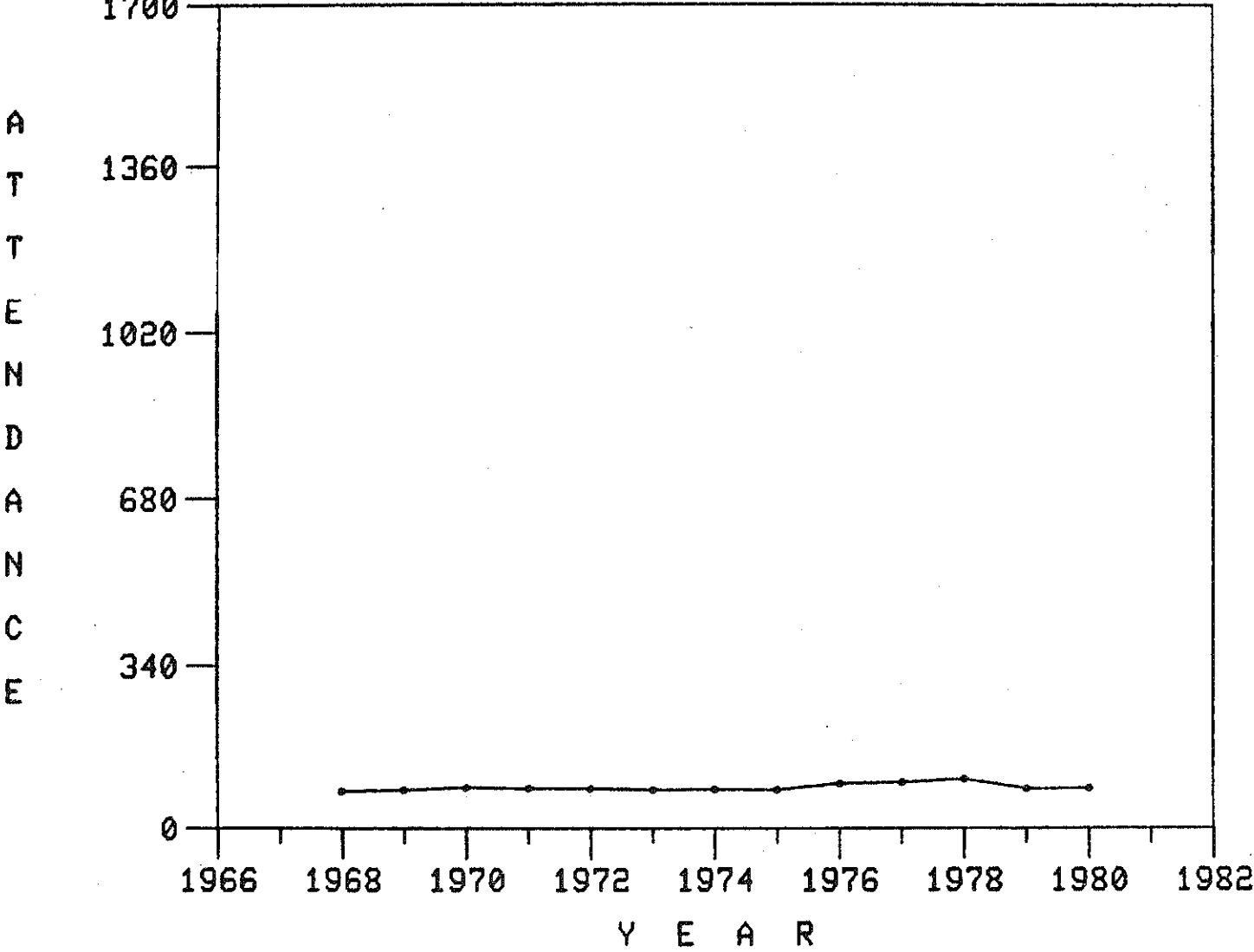
ATTENDANCE AT PALMS-BOOK STATE PARK (000'S)



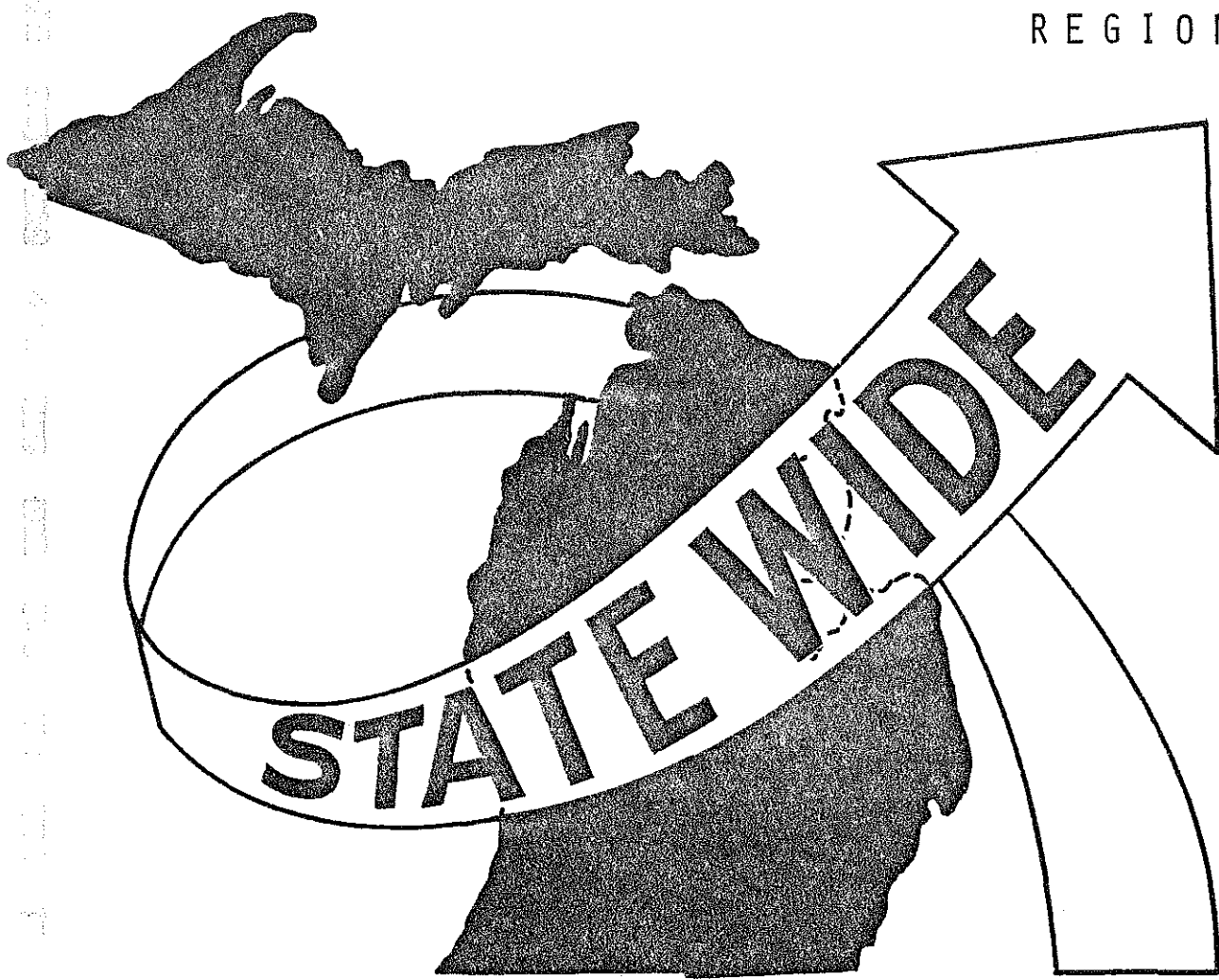
ATTENDANCE AT VAN RIPER STATE PARK (000'S)



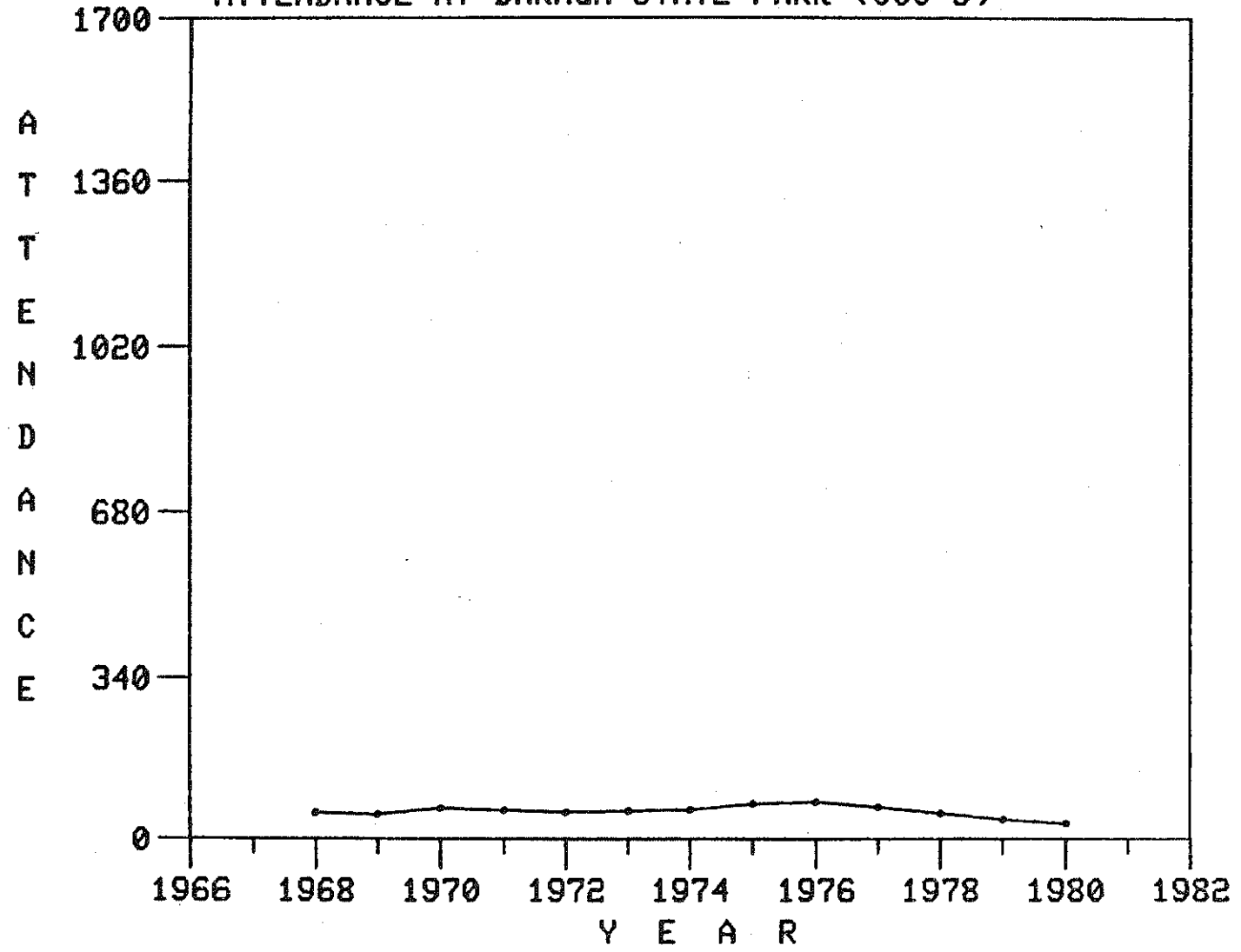
ATTENDANCE AT J. W. WELLS STATE PARK (000'S)



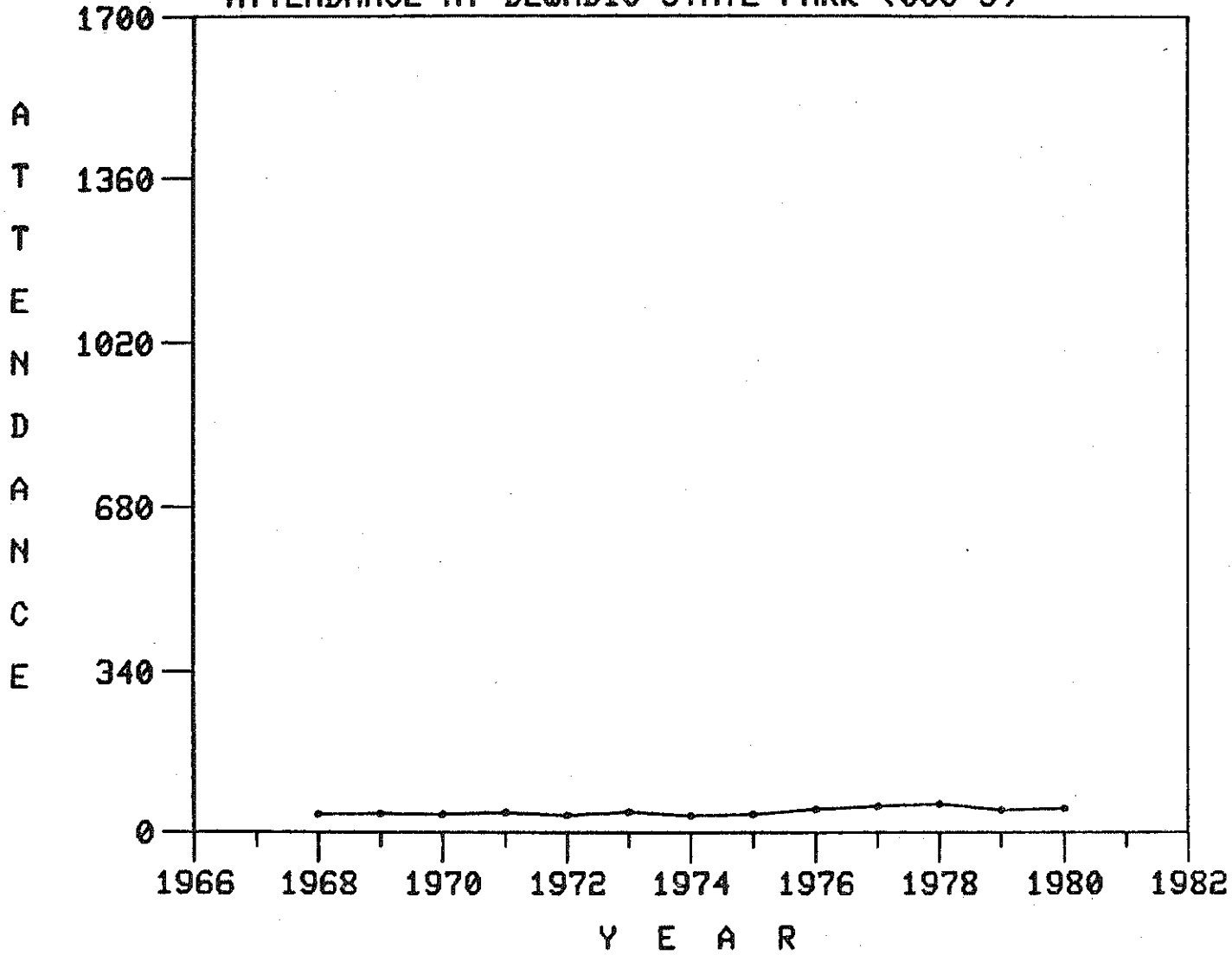
REGION 13



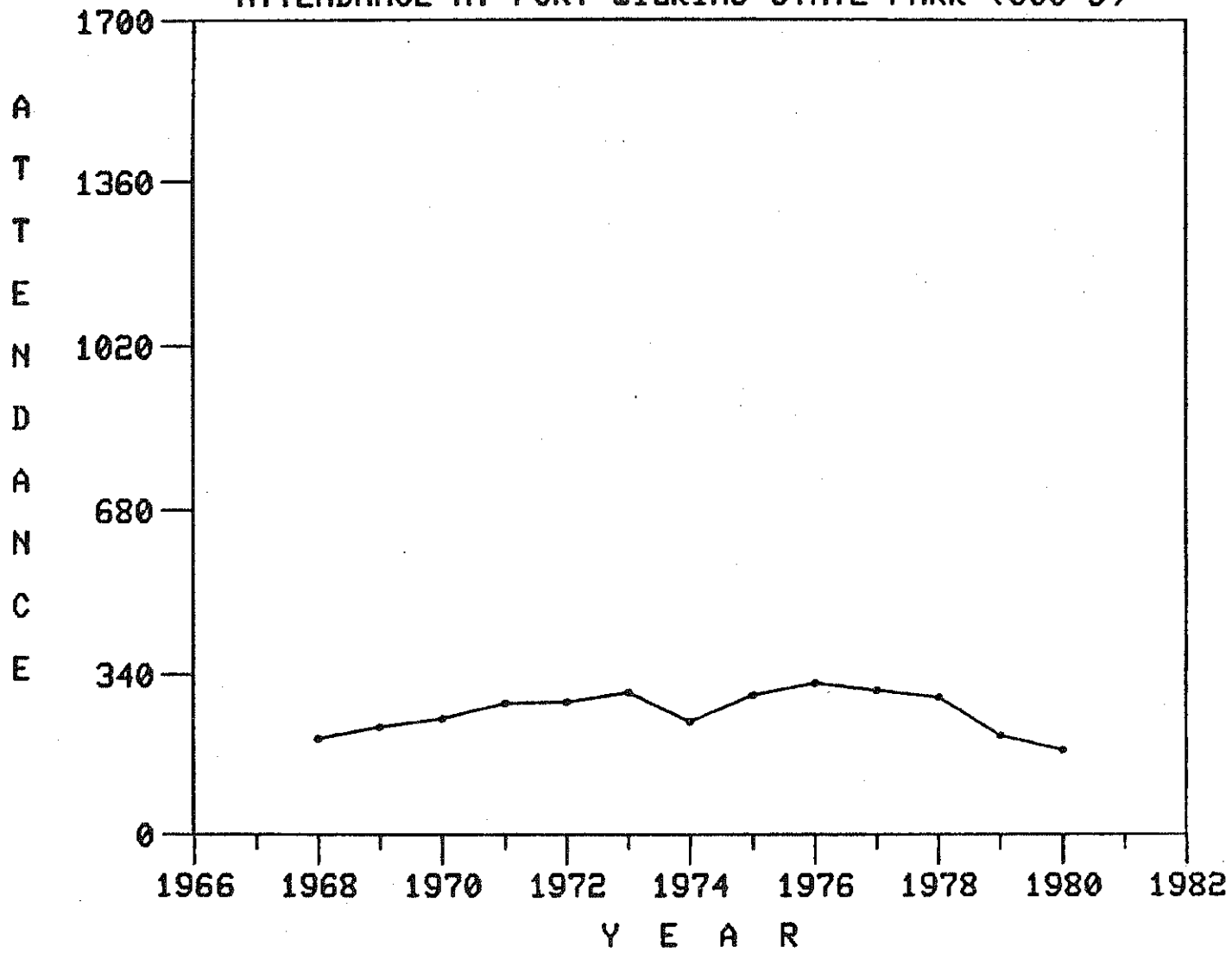
ATTENDANCE AT BARAGA STATE PARK (000'S)



ATTENDANCE AT BEWABIC STATE PARK (000'S)

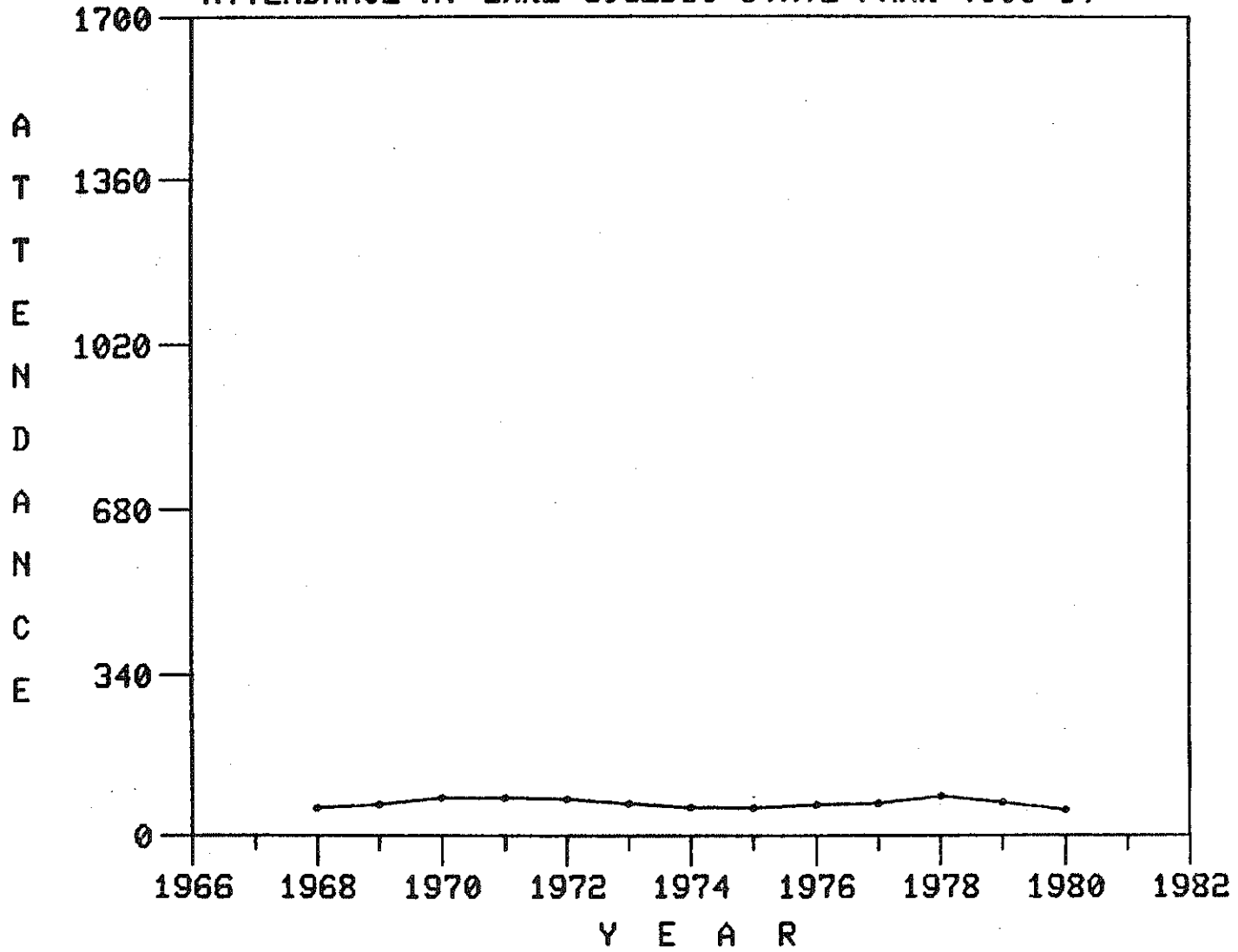


ATTENDANCE AT FORT WILKINS STATE PARK (000'S)

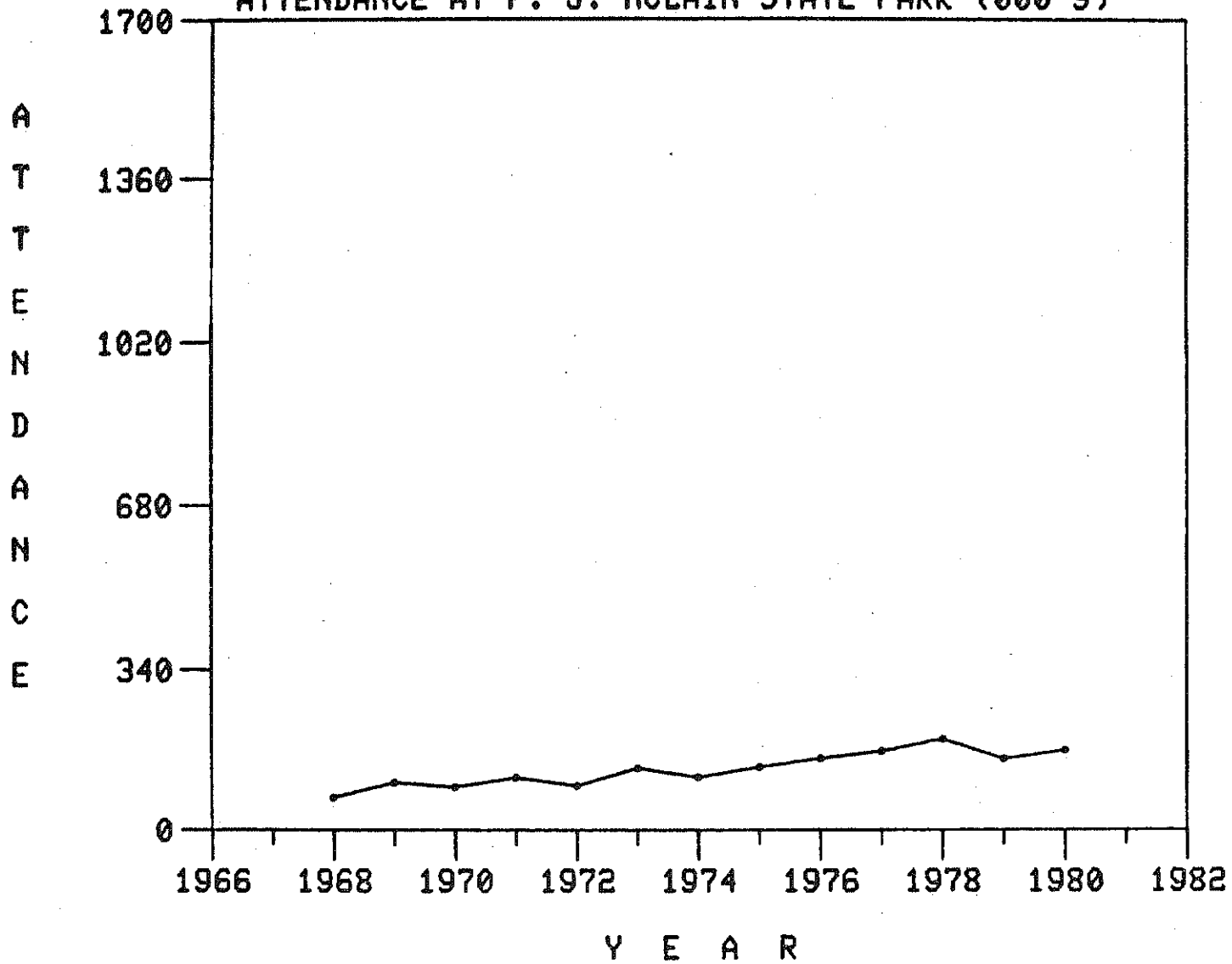




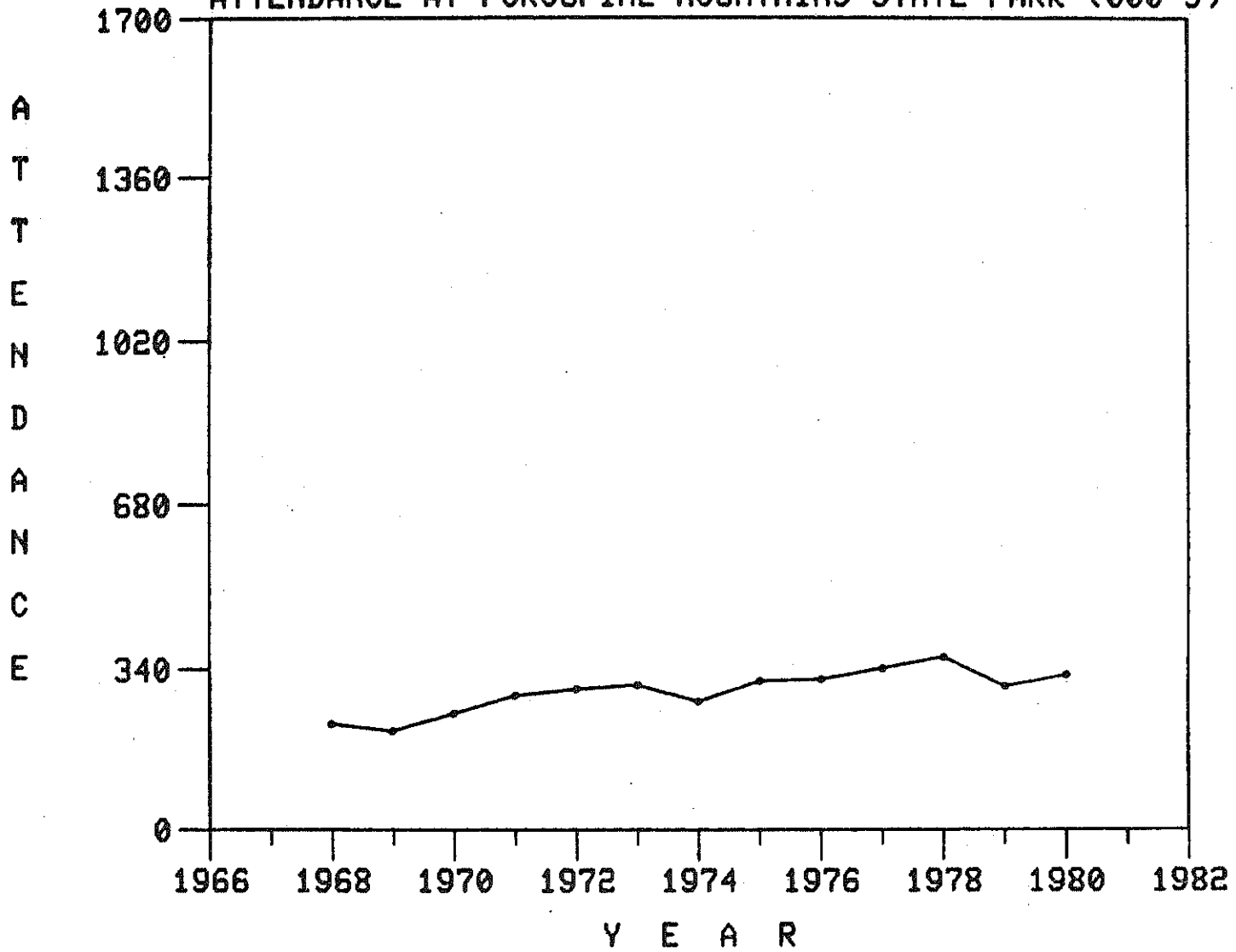
ATTENDANCE AT LAKE GOGEBIC STATE PARK (000'S)



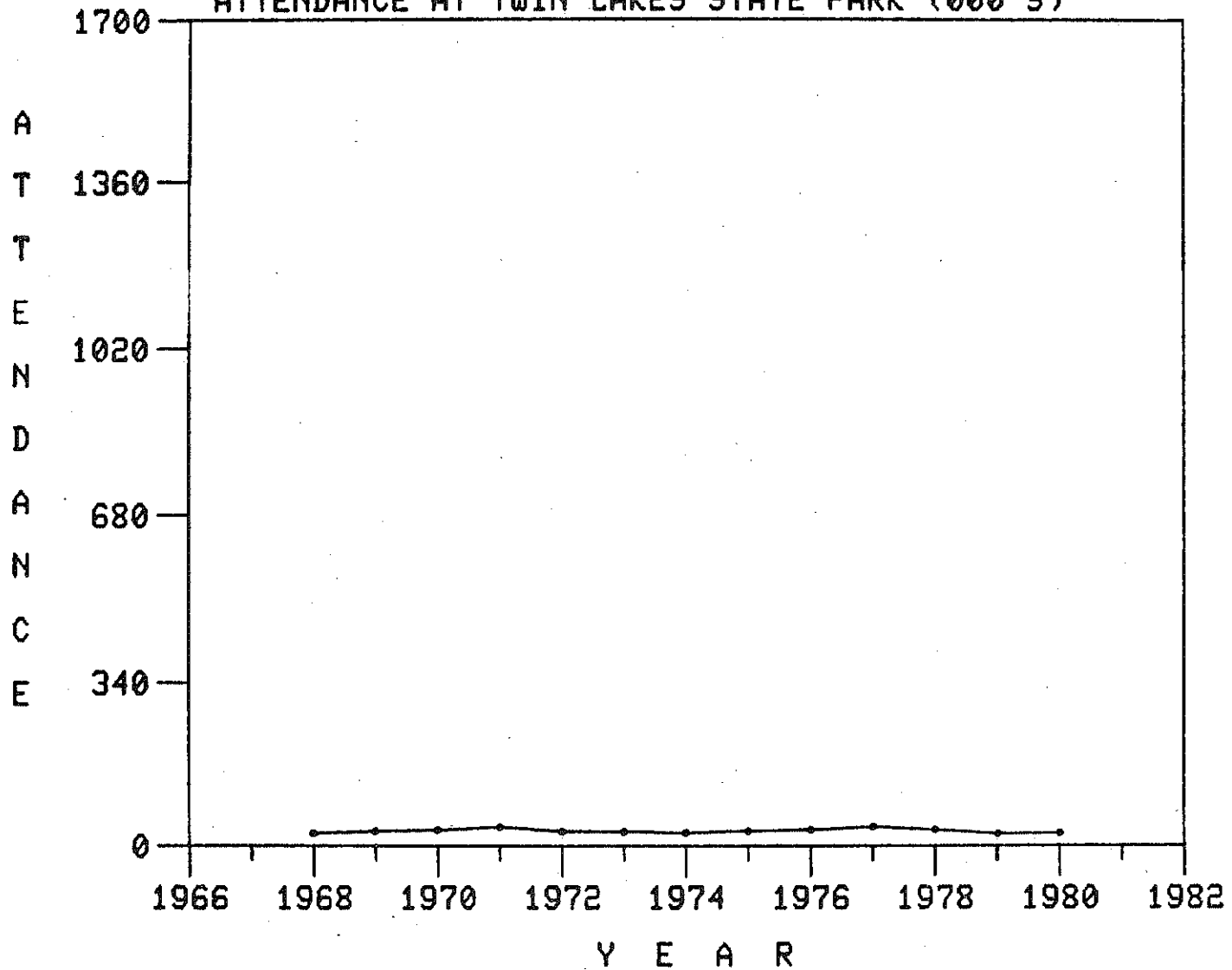
ATTENDANCE AT F. J. MCLAIN STATE PARK (000'S)



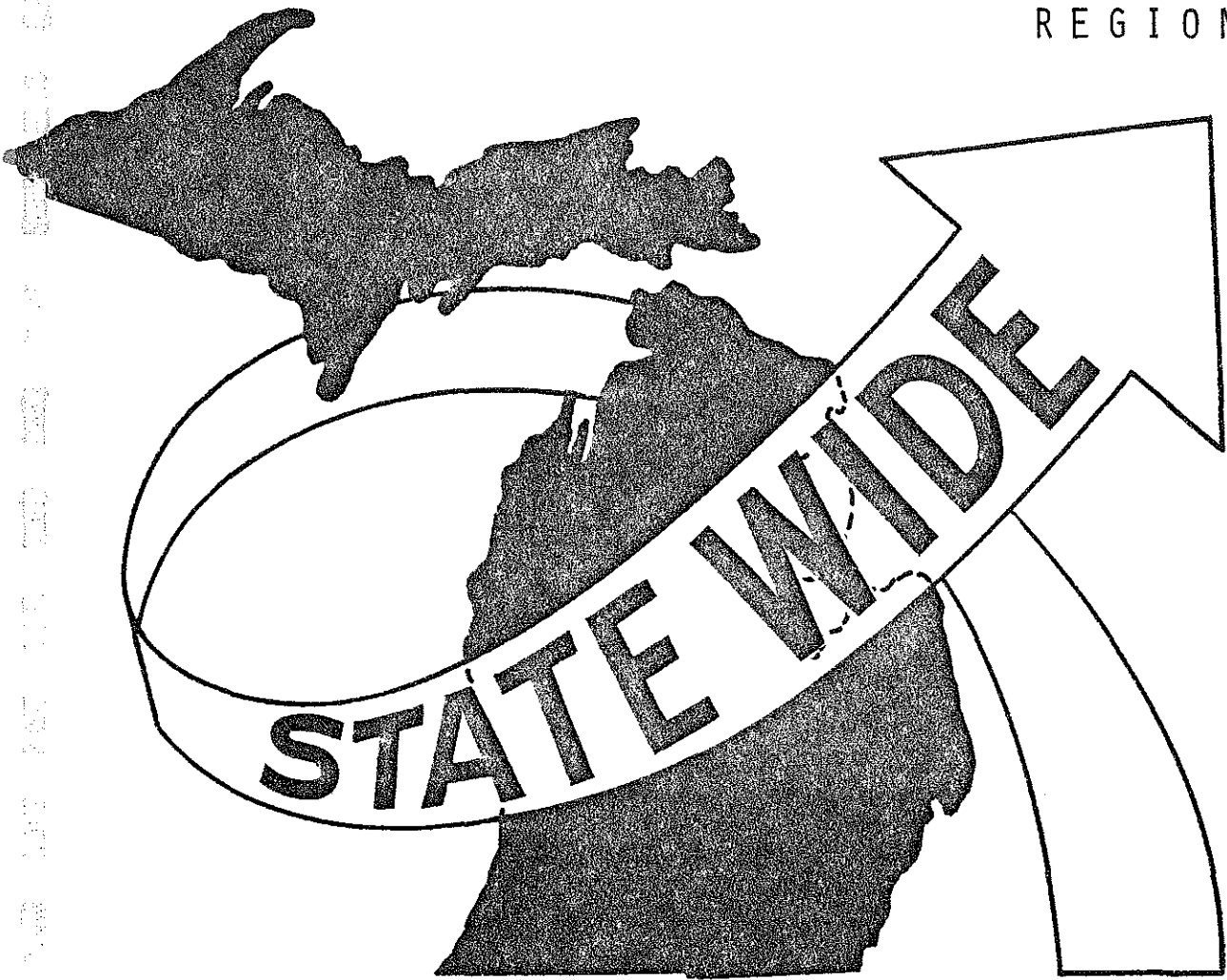
ATTENDANCE AT PORCUPINE MOUNTAINS STATE PARK (000'S)

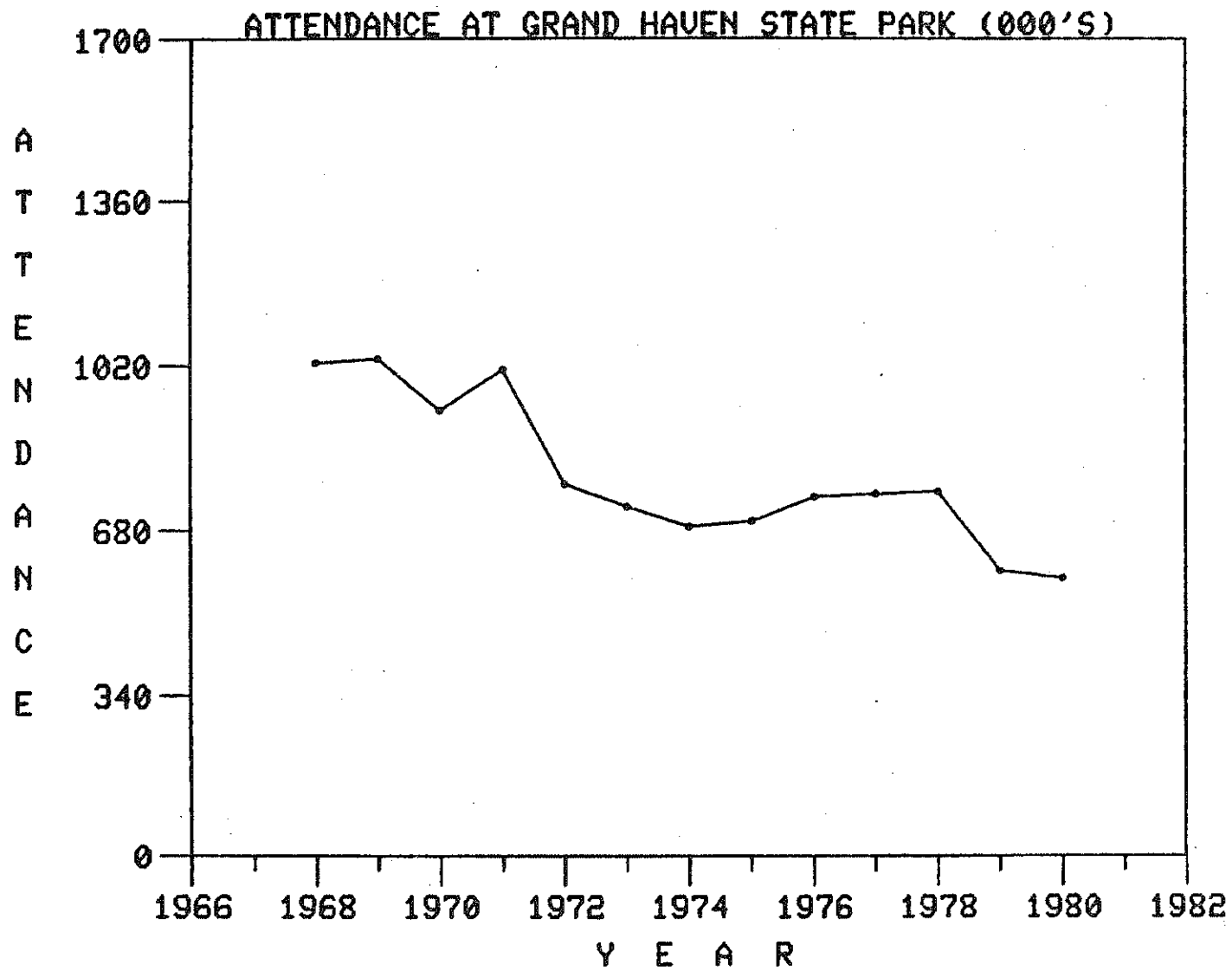


ATTENDANCE AT TWIN LAKES STATE PARK (000'S)

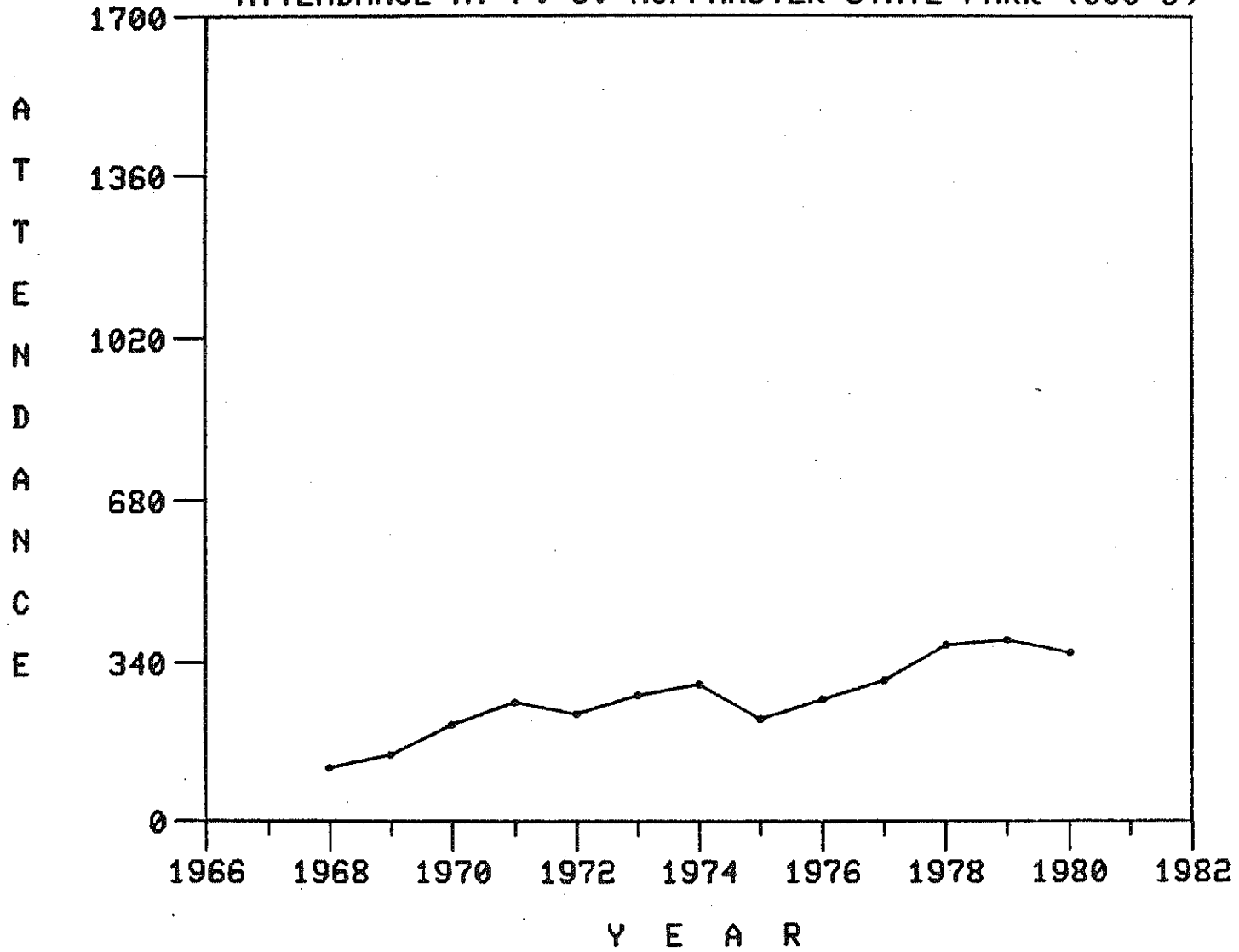


REGION 14

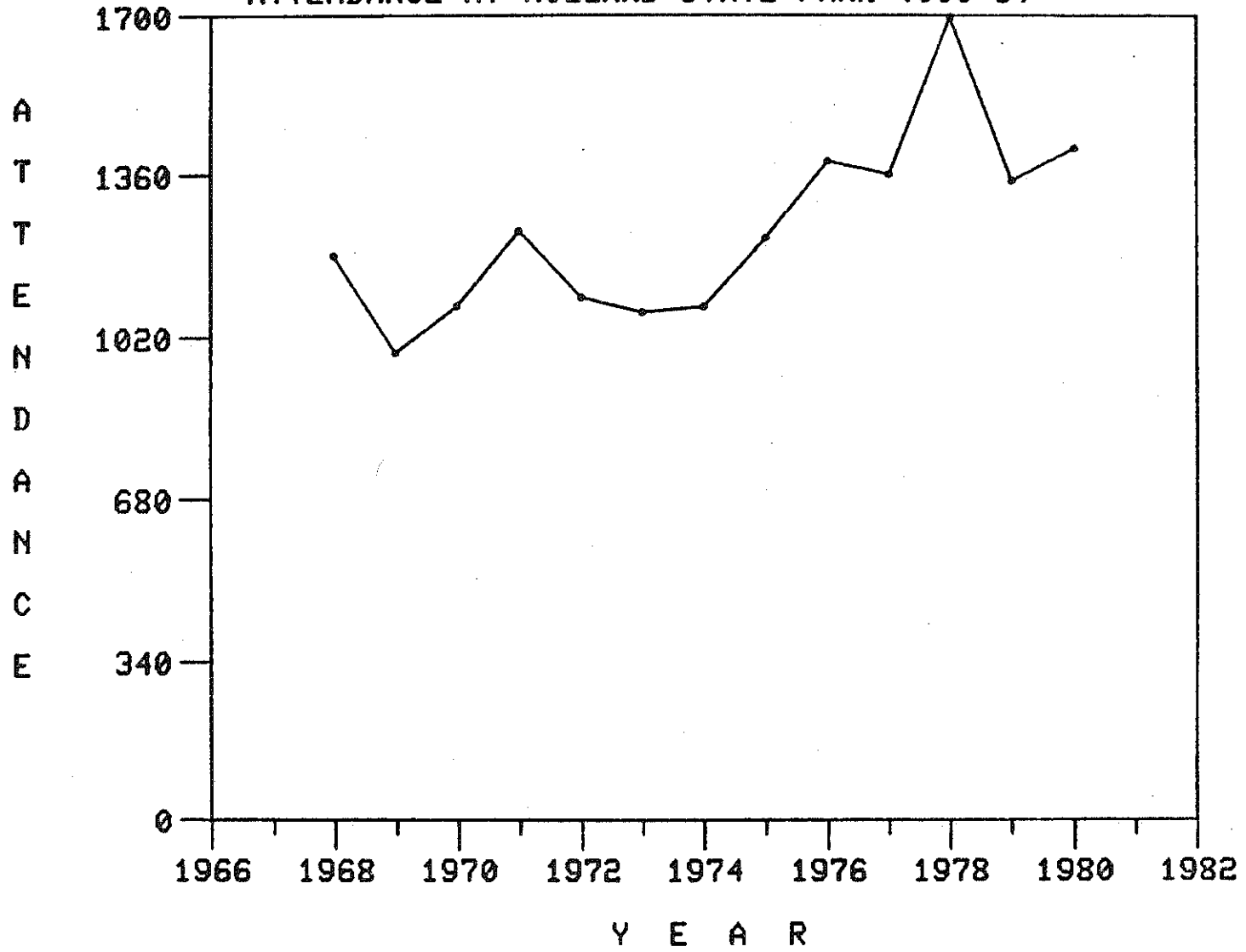




ATTENDANCE AT P. J. HOFFMASTER STATE PARK (000'S)

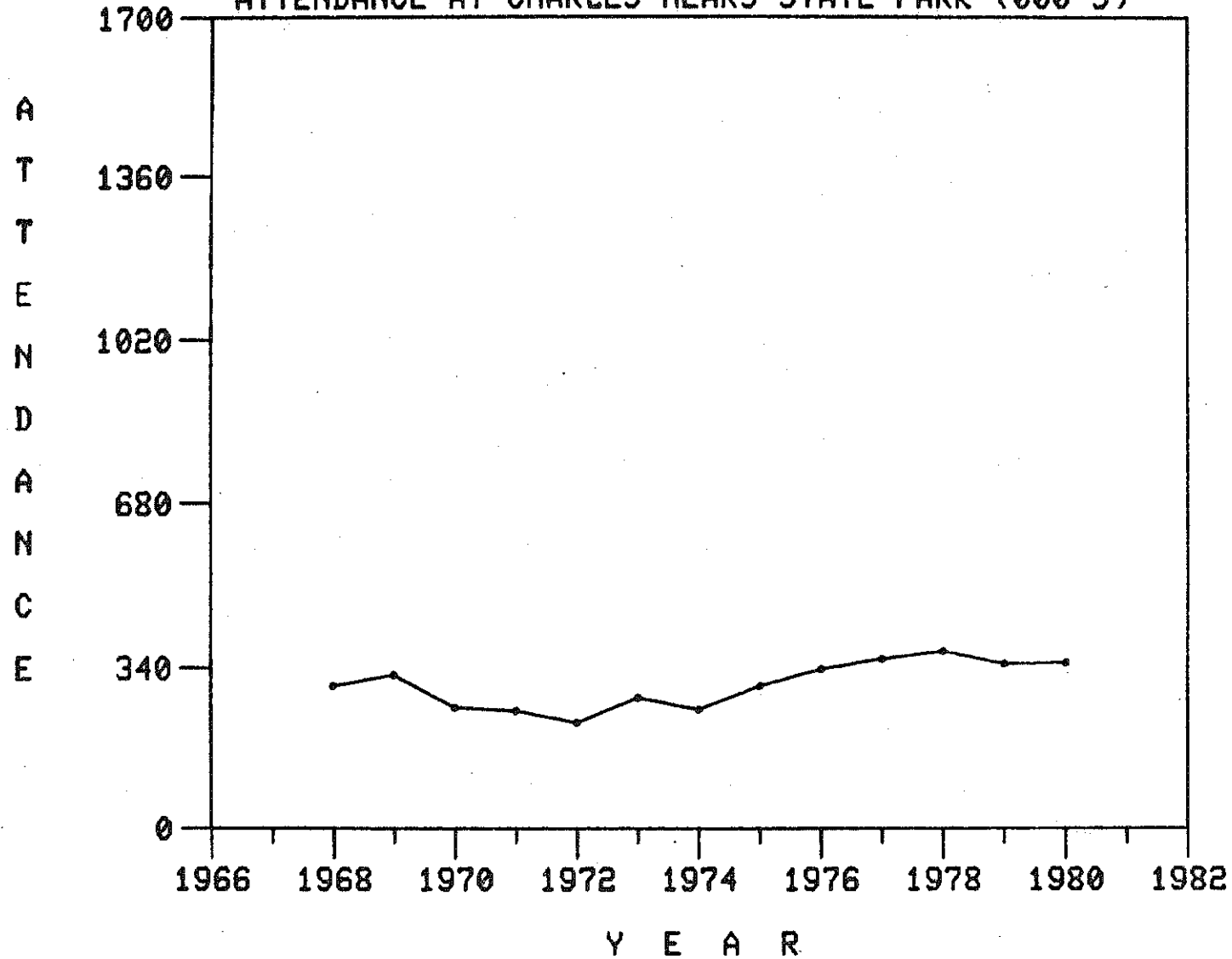


ATTENDANCE AT HOLLAND STATE PARK (000'S)

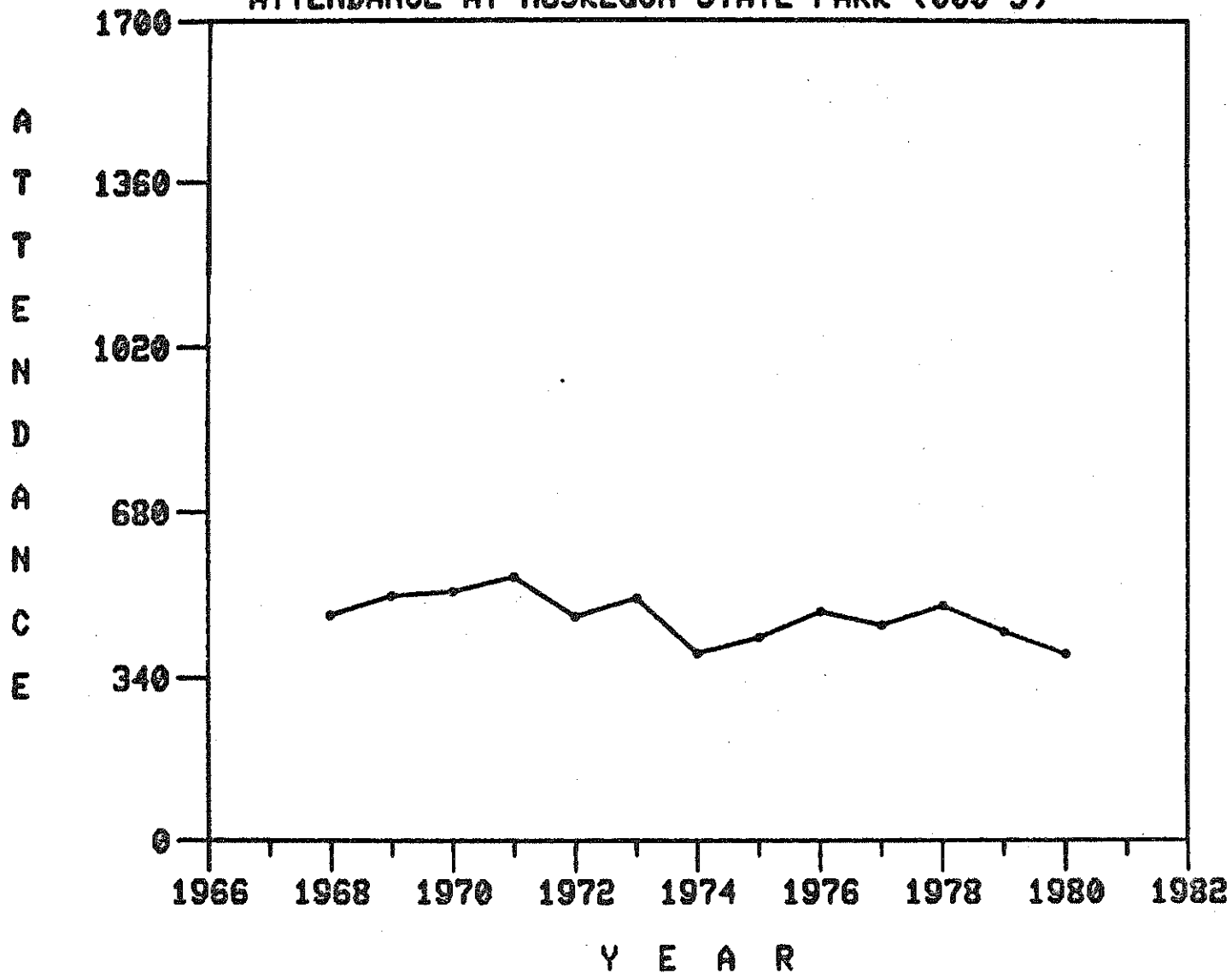




ATTENDANCE AT CHARLES MEARS STATE PARK (000'S)



ATTENDANCE AT MUSKEGON STATE PARK (000'S)



ATTENDANCE AT SILVER LAKE STATE PARK (000'S)

