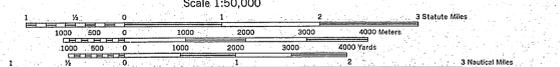


Prepared by the Army Map Service (U.S. Army, Washington, D.C.) compiled in 1954 from North Carolina, 1:25,000, AMS, Sheets 5351 IV NW, field checked 1943, 5351 IV NE, aerial photography 1942; further revision by U.S. Coast and Geodetic Survey, USCGC Chart 1286, 1963. Planimetric detail revised by photogrammetric methods. Horizontal and vertical control by USCGC. This map complies with the national standard map accuracy requirements. Map not field checked.

LEGEND

Red surface, heavy duty road, four or more lanes	Improved light duty road, street
Red surface, heavy duty road, two lanes	Unimproved dirt road, trail
Red surface, heavy duty road, four or more lanes	Route markers: Federal; State
Red surface, medium duty road, two lanes	Light, light house; Windmill, wind pump; Water mill
Buildings	Interrail line and station
Boundaries	Block of canopy, dense
Standard gauge	Large ridge; Large flat
Narrow gauge	Rapids; Falls; Pier
In situ	Rocks; Exposed; Barren
Spice plantation	Thicket
Checked	Depth soundings
Unchecked	Function of dam
Woods or bushwood	Bench mark, monument
Viewed; Not viewed	Bench mark, non-monument



CONTOUR INTERVAL 20 FEET
VERTICAL DATUM: SEA LEVEL DATUM 1929
TRANSVERSE MERCATOR PROJECTION
HORIZONTAL DATUM: 1927 NORTH AMERICAN DATUM

HYDROGRAPHIC DATUM: SOUNDINGS IN FEET REFERRED TO MEAN LOW WATER
UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17

BLACK NUMBERED LINES INDICATE THE 1000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17
BLUE NUMBERED TICKS OUTSIDE THE OUTLINE INDICATE THE 1000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 17

REFER CONNECTIONS TO THIS MAP TO COMMANDING OFFICER, ARMY MAP SERVICE, WASHINGTON, D.C.

TO ONE A STAMPER REFERENCE ON THIS SHEET TO MANAGE 10 METERS

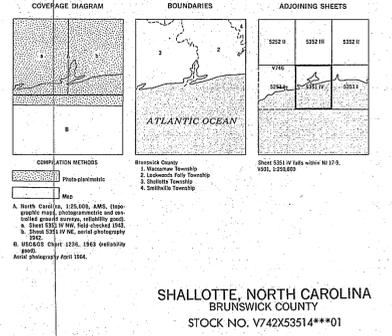
GRID COORDINATE METHOD

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH
SUBTRACT G-M ANGLE

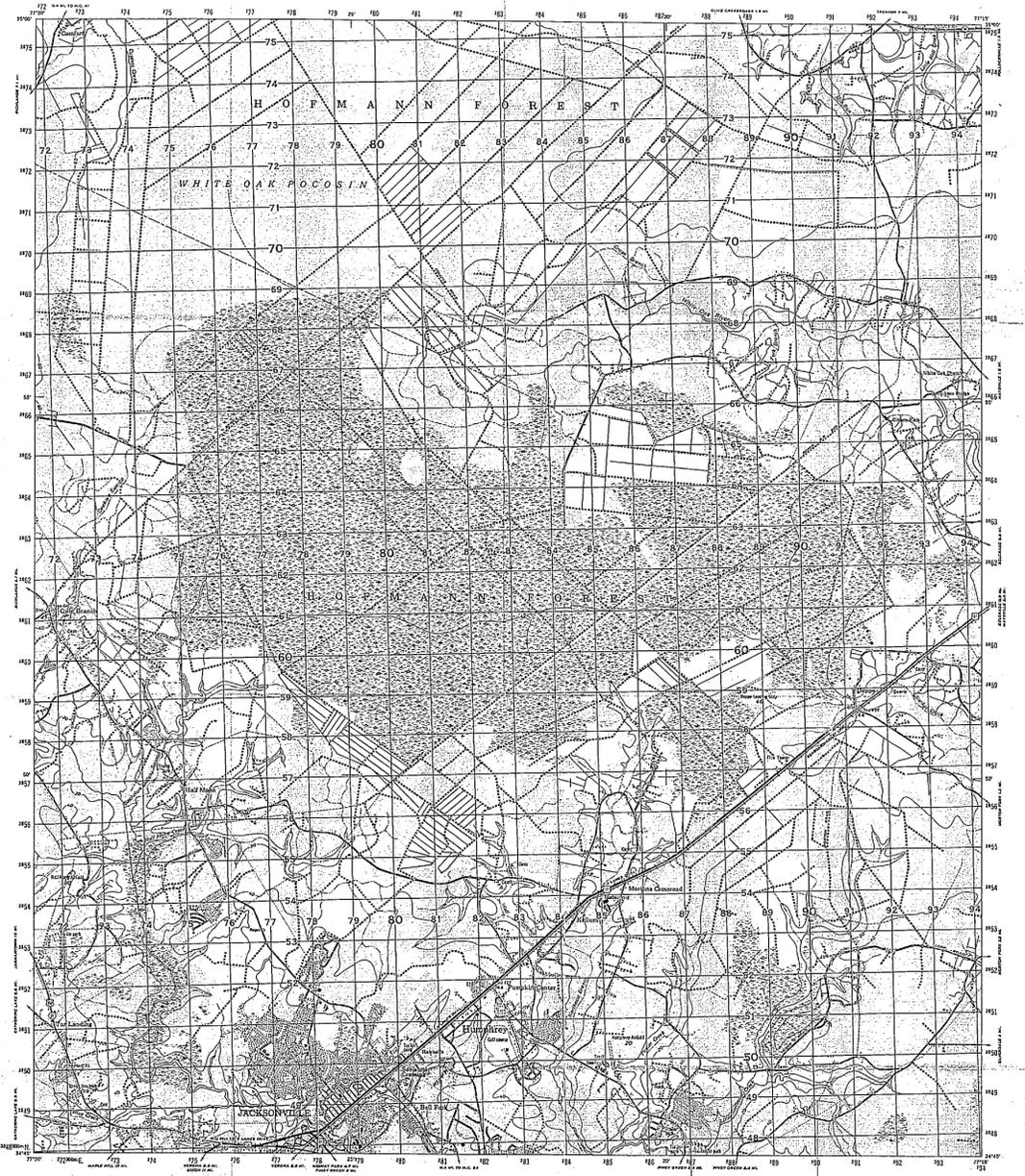
TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH
ADD G-M ANGLE

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH
SUBTRACT G-M ANGLE

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH
ADD G-M ANGLE







Scale 1:50,000

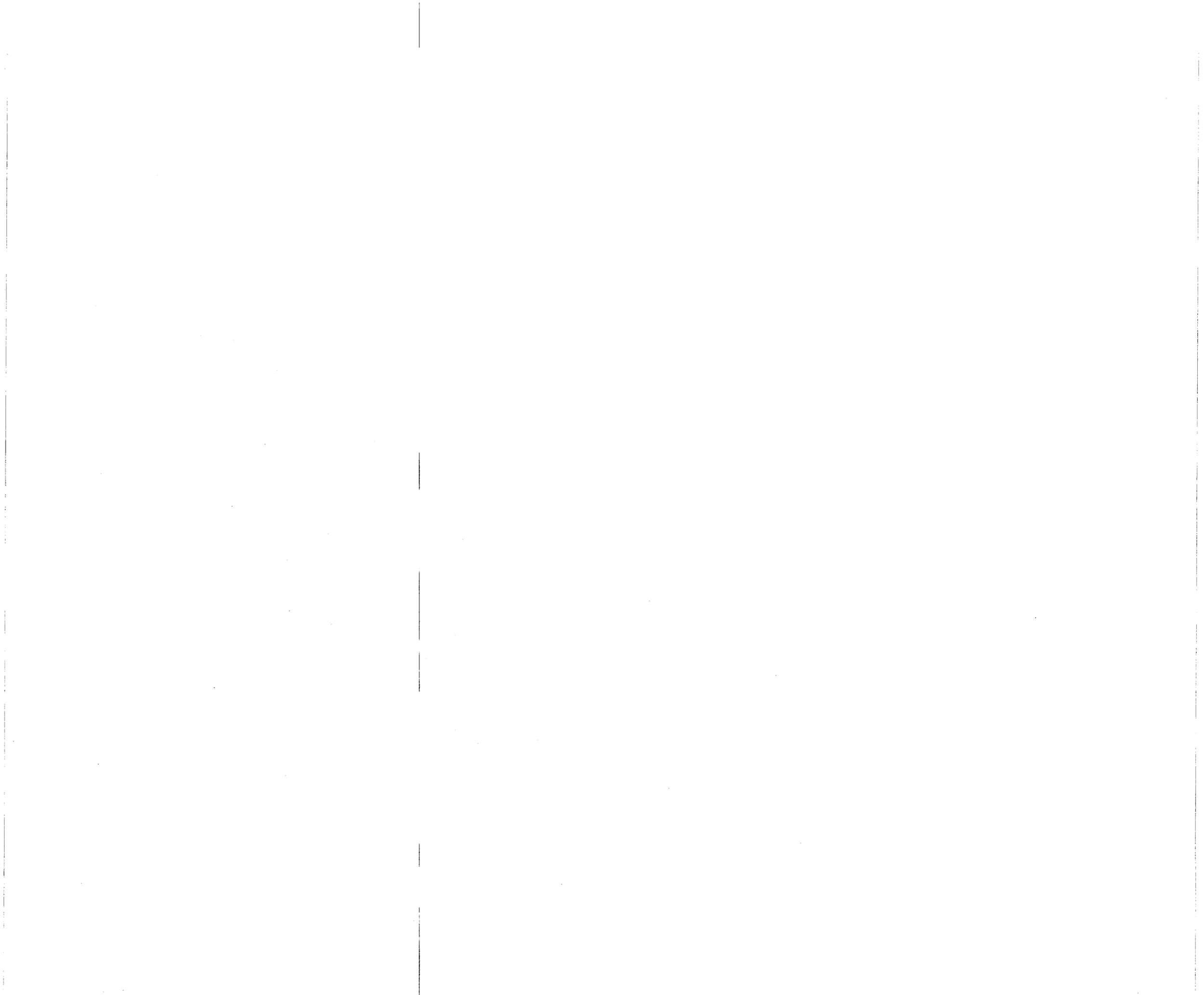
CONTOUR INTERVAL 20 FEET

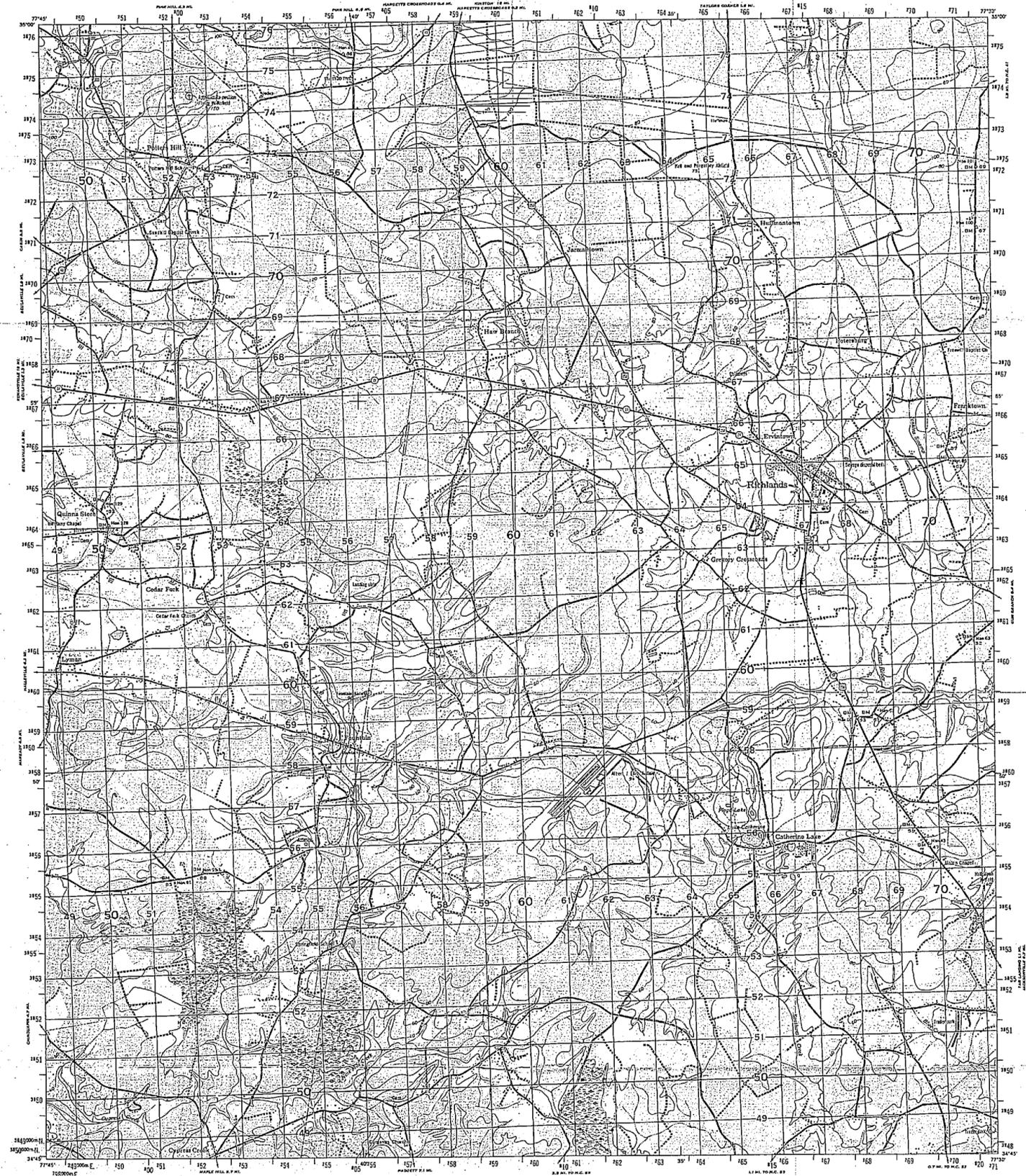
LEGEND

<p>ROADS</p> <p>Interstate Highways</p> <p>State Highways</p> <p>County Highways</p> <p>Other Highways</p> <p>Other Roads</p>	<p>RAILROADS</p> <p>Other Railroads</p>	<p>WATER</p> <p>Lakes</p> <p>Rivers</p> <p>Streams</p> <p>Canals</p> <p>Other Water Features</p>	<p>LAND USE</p> <p>Urban</p> <p>Suburban</p> <p>Rural</p> <p>Other Land Use</p>	<p>BOUNDARIES</p> <p>Political</p> <p>Other</p>	<p>OTHER FEATURES</p> <p>Buildings</p> <p>Other Structures</p> <p>Other Features</p>
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STOCK NO. V742X55534**06





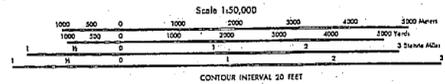


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MAP INFORMATION AS OF 1972
RED TEXT INDICATES AREAS IN WHICH DATA SOURCES ARE SHOWN

LEGEND

ROADS	Interstate Highway	State Highway	County Road	Local Road	Unimproved Road
RAILROADS	Standard Gauge	Narrow Gauge	Abandoned		
BOUNDARIES	Political	Water			
OTHER FEATURES	Water	Vegetation	Buildings	Structures	Other



CONTOUR INTERVAL 20 FEET

CONTOUR INTERVAL 20 FEET	Contour Interval	Contour Interval
1:50,000	20 Feet	20 Feet

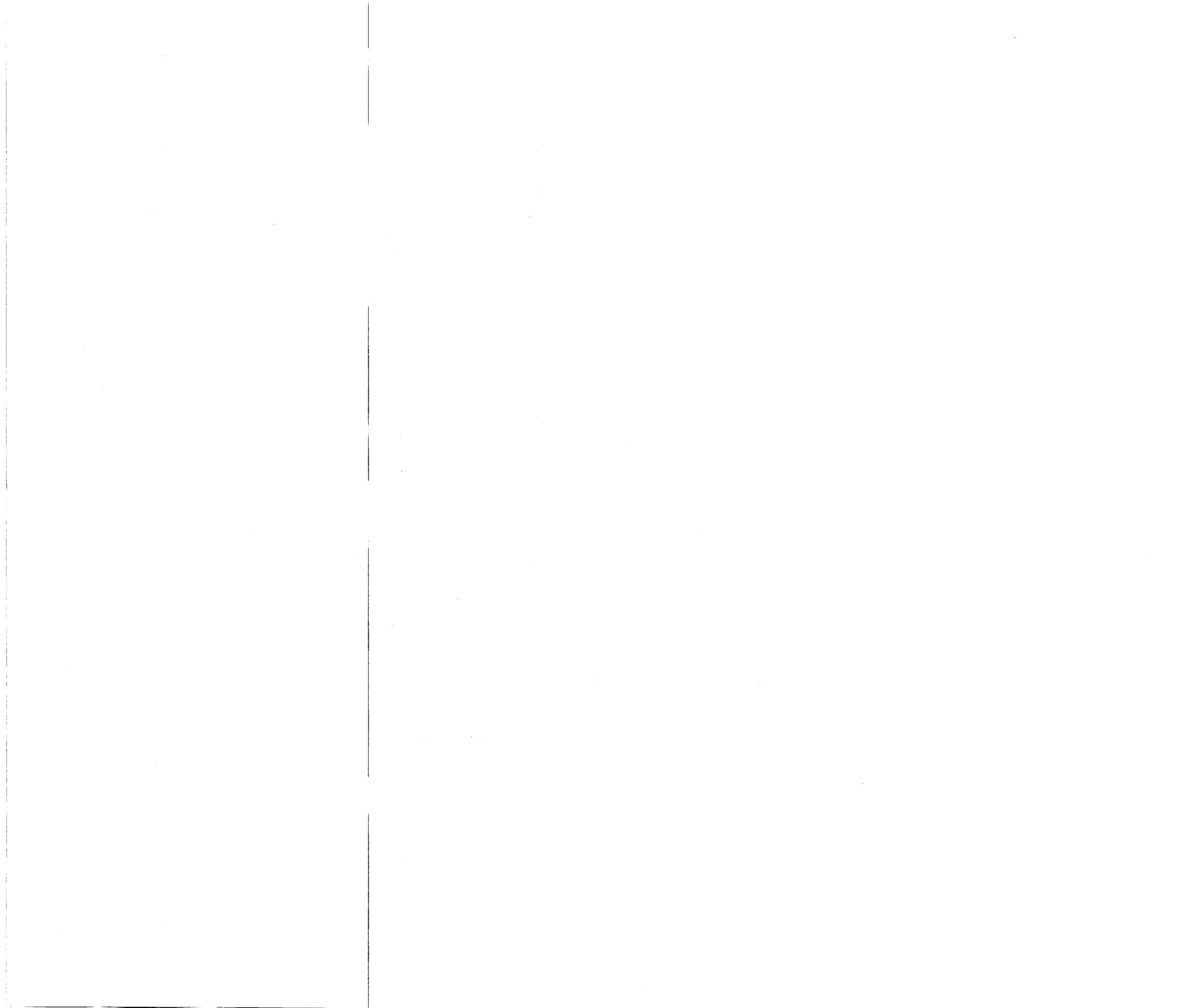
ELEVATION GUIDE

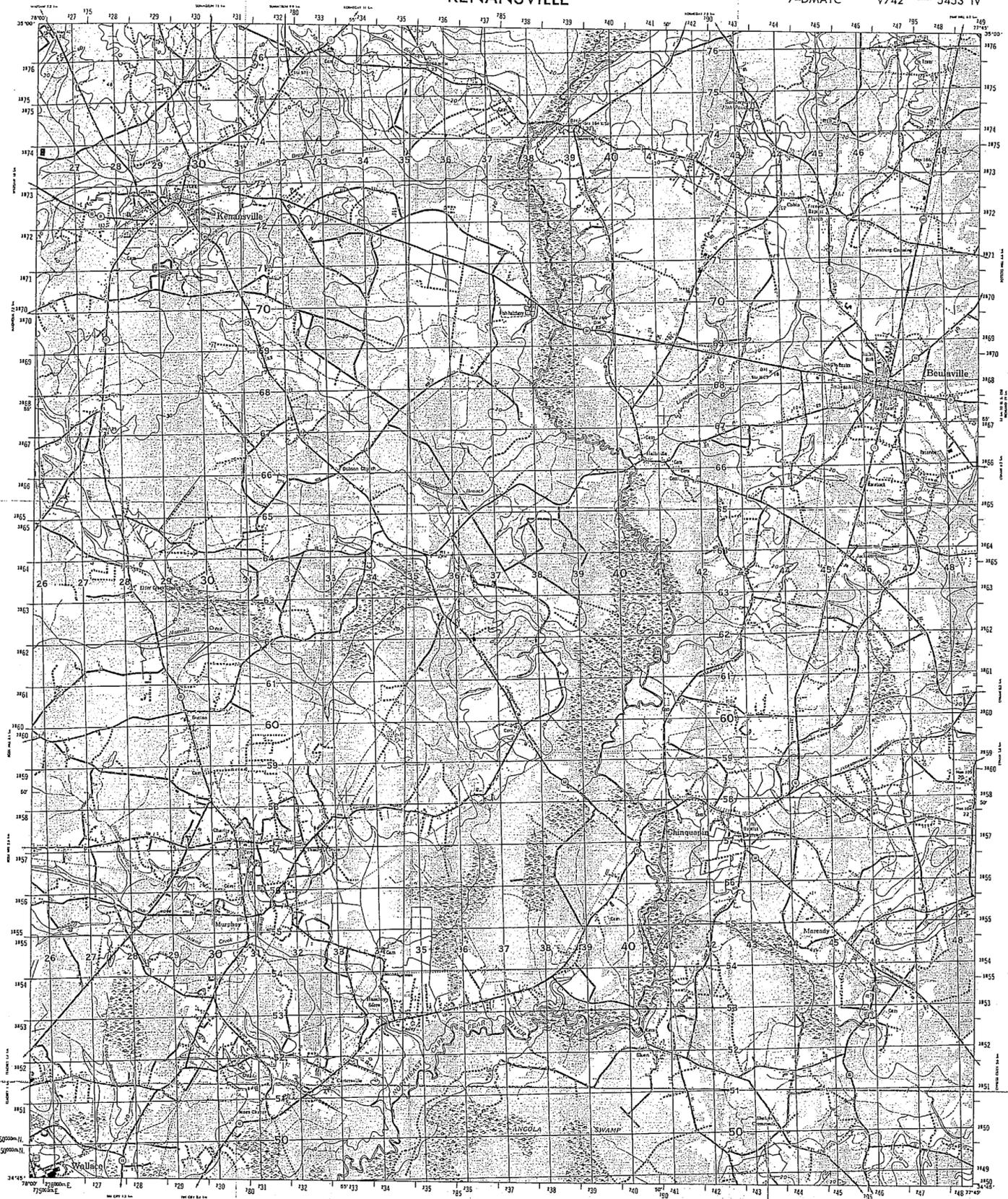
BOUNDARIES

ADJOINING SHEETS

5453 I	5453 II	5453 III
5453 IV	5453 V	5453 VI
5453 VII	5453 VIII	5453 IX







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MAP INFORMATION AS OF 1972
NO ELEVATION DATA OR INFORMATION SHOWN ARE CLASSIFIED
EXCEPT WHERE SHOWN OTHERWISE

LEGEND

ROADS	Interstate Highway	State Highway	County Road	Unimproved Road	Trail
RAILROADS	Standard Gauge	Narrow Gauge	Abandoned	Proposed	Right-of-Way
BOUNDARIES	Political	County	Water	Other	Proposed
PLACES	City	Village	Hamlet	Unincorporated	Proposed
OTHER FEATURES	Water	Marsh	Swamp	Barren	Other

Scale 1:50,000

Meters 1000 500 0 500 1000

Statute Miles 0 1 2

ELEVATIONS IN METERS
CONTOUR INTERVAL 10 METERS

100 METER INTERVAL

1. Solid black lines (1:50,000 scale) show contours at 100 meter intervals. Contours are labeled with their elevation in meters.

2. Dashed black lines (1:50,000 scale) show contours at 50 meter intervals. Contours are labeled with their elevation in meters.

3. Dotted black lines (1:50,000 scale) show contours at 25 meter intervals. Contours are labeled with their elevation in meters.

4. Contours are labeled with their elevation in meters.

5. Contours are labeled with their elevation in meters.

6. Contours are labeled with their elevation in meters.

7. Contours are labeled with their elevation in meters.

8. Contours are labeled with their elevation in meters.

9. Contours are labeled with their elevation in meters.

10. Contours are labeled with their elevation in meters.

ELEVATION GUIDE

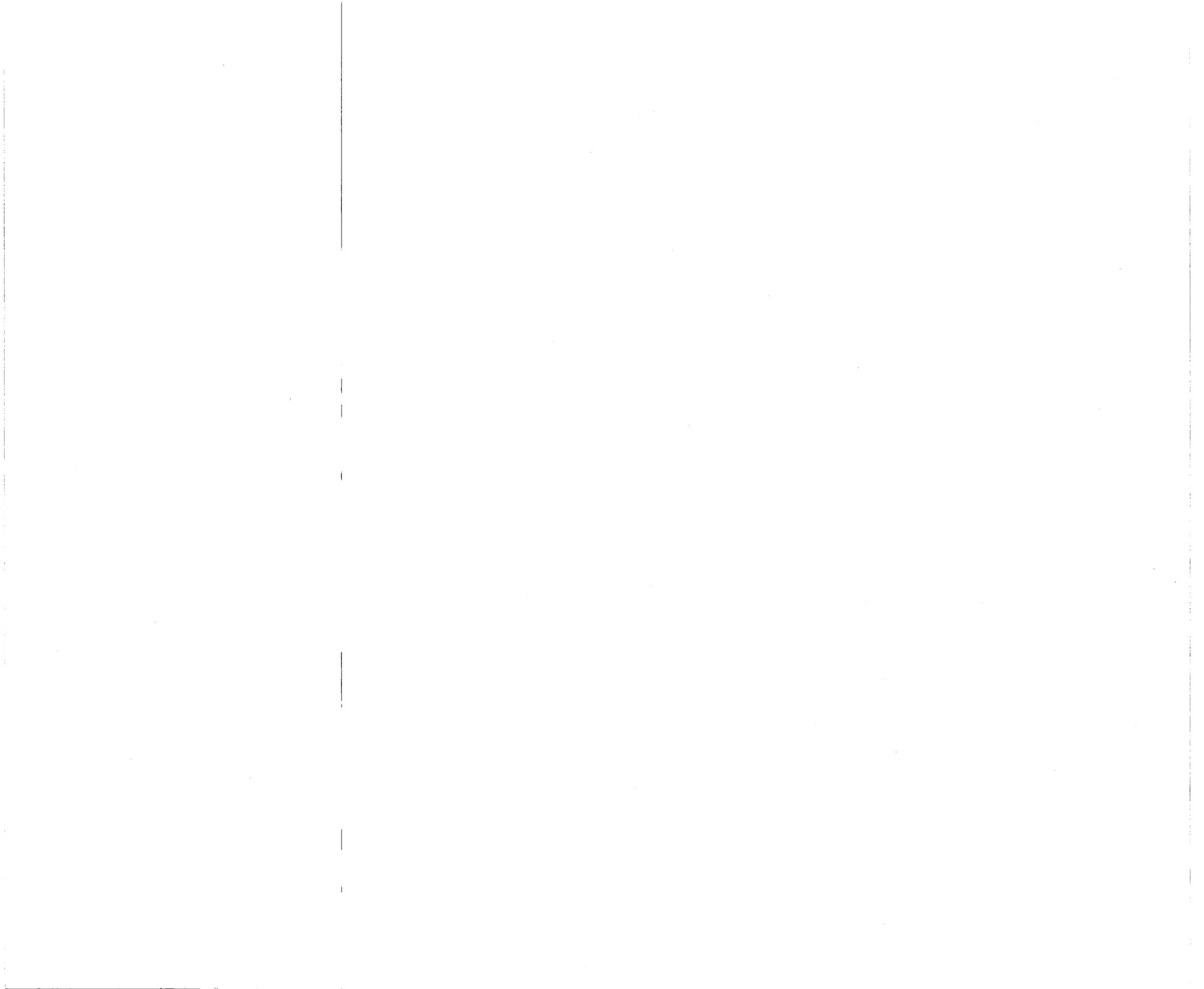
BOUNDARIES

ADDITIONING SHEETS

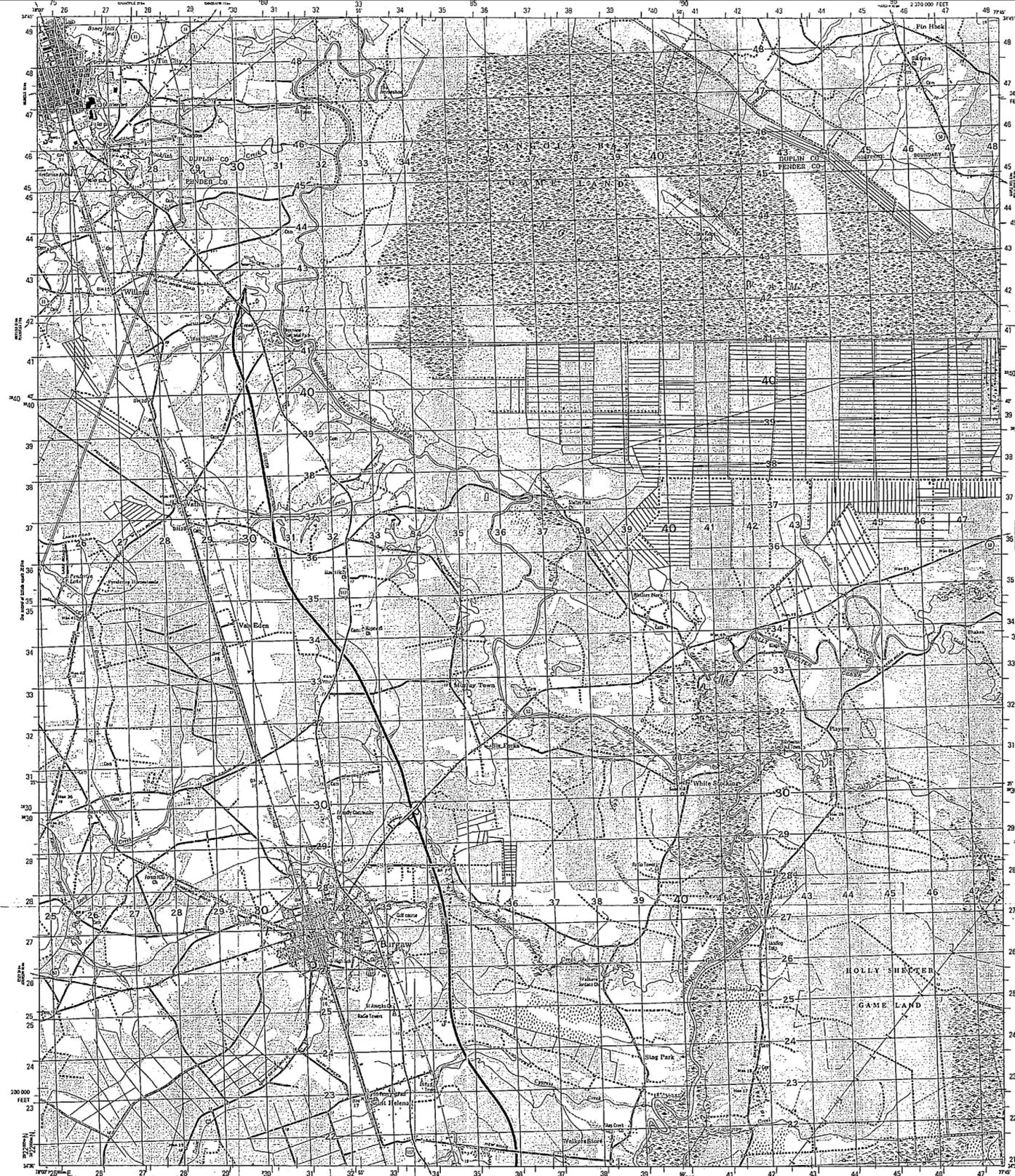
314 B	314 C	314 D
313 B	313 C	313 D
312 B	312 C	312 D

METRIC CONVERSION OF CONTOURS AND ELEVATIONS 1978.
THIS MAP IS RED-LIGHT READABLE.

STOCK NO. V742X54534



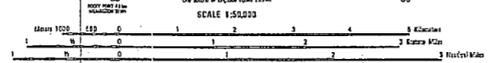




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 MAP CORRECTION AS OF 1981

LEGEND
 CAUTION: ALL TELEPHONE AND RAILROAD SYMBOLS ARE NOT SHOWN.
 A LINE ON THIS MAP IS CONSIDERED TO BE 0.8 METERS WIDE.
 UNDEVELOPED AREAS ARE INDICATED BY A SHADY PATTERN.
 THE NATIONAL GRID COORDINATES SHOWN ON THIS MAP.
 NOTE: HEIGHTS ON THIS MAP ARE LESS THAN 100

ROADS	Power transmission line	1-1
Classified highway with median strip	Railroad	1-2
Highway with median strip	Canal	1-3
Unimproved road	Canal	1-4
Foot path	Canal	1-5
Canal	Canal	1-6
Canal	Canal	1-7
Canal	Canal	1-8
Canal	Canal	1-9
Canal	Canal	1-10
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Canal	Canal	1-47
Canal	Canal	1-48
Canal	Canal	1-49
Canal	Canal	1-50



ELEVATIONS IN METERS
 CONTOUR INTERVAL TO METERS

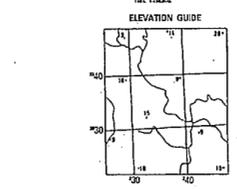
SYMBOLS
 1. Contour interval 10 meters
 2. Spot elevation
 3. Elevation of bench mark
 4. Elevation of spot height
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 48. Elevation of spot height
 49. Elevation of spot height
 50. Elevation of spot height

100 METERS	328 FEET
200 METERS	656 FEET
300 METERS	984 FEET
400 METERS	1312 FEET
500 METERS	1640 FEET
600 METERS	1968 FEET
700 METERS	2296 FEET
800 METERS	2624 FEET
900 METERS	2952 FEET
1000 METERS	3280 FEET



ADJOINING SHEETS

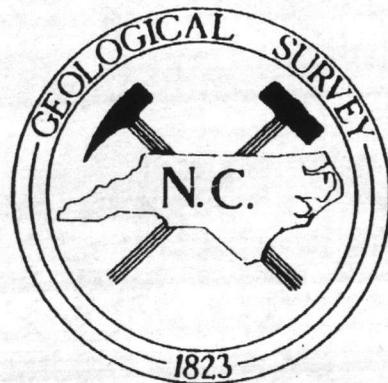
501	502	503
504	505	506
507	508	509



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 USGS 34077-E7-TM-850
 DMA STOCK NO. V742X54533



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PUBLICATION LIST



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AND NATURAL RESOURCES**

DIVISION OF LAND RESOURCES
Charles H. Gardner, Director and State Geologist

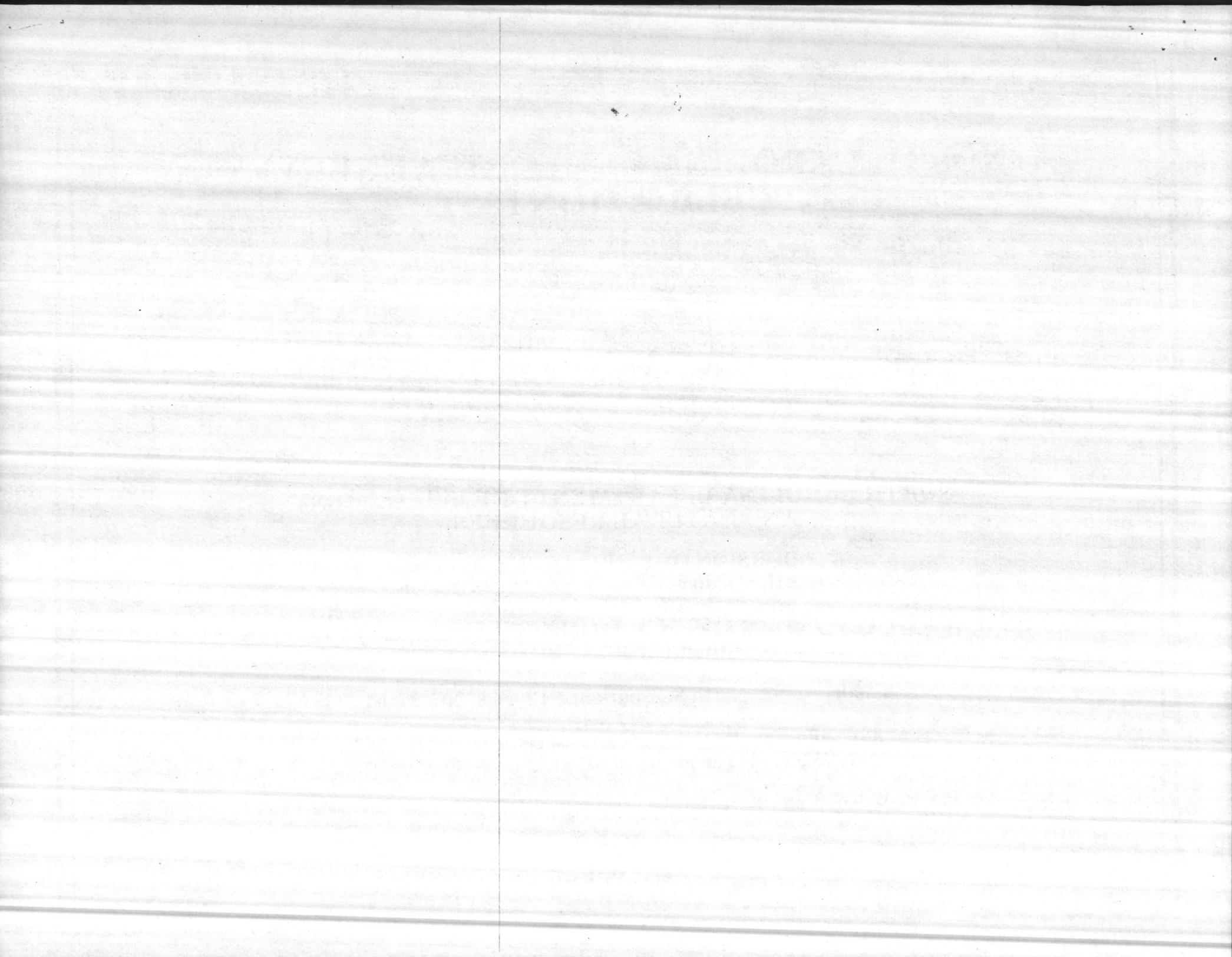
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April 1998



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*93	A Geochemical Atlas of North Carolina.....	1991	J C Reid.....	Geochemistry, NURE.....	State-wide.....	\$26.50
92	Geology of the SE Durham and SW Durham 7.5-Min. Quadrangles, N. C. (Text and small-scale maps)..... (SE Durham & SW Durham 7.5' Quad maps at 1:24,000 are available as Open File-89-1 and Open File-89-2)	1989	Hoffman and Gallagher.....	Triassic basin.....	Durham, Wake.....	\$6.50
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67	The Commercial Granites of North Carolina.....	1954	H B LeGrand.....	Groundwater, Statesville area.....	Piedmont.....	OP
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64	Pegmatites of the Cashiers and Zirconia Districts, North Carolina (REPRINT).....	1952	J M Parker III.....	Geologic mapping, Spruce Pine.....	Avery, Mitchell, Yancey....	\$3.00
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21	1910	F B Laney	Gold, Gold Hill	Cabarrus, Rowan	\$9.50
19	1905	Pratt and Sterrett	Tin	Piedmont	OP
18	1909	Laney and Wood	Bibliography	State-wide	OP
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*93-30		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	174 Str. Sed. sites, 0 Supp.Sites.....	Bertie,Currituck,Camden.... \$3.50
		for the NORFOLK and ELIZABETH CITY 30 x 60 Minute Quadrangles -NURE Database		246 Gr.H2O Sites, 0 Str.H2O sites	Gates,Hertford
*93-29		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	39 Str. Sed. sites, 0 Supp.Sites.....	Brunswick,New Hanover,... \$2.50
		for the WILMINGTON and CAPE FEAR 30 x 60 Minute Quadrangles -NURE Database		64 Gr.H2O Sites, 0 Str.H2O sites	Pender
*93-28		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	126 Str. Sed. sites, 31 Supp.Sites.....	Crav.,Curr.,Duplin..... \$3.50
		for the NEW RIVER 30 x 60 Minute Quadrangles -NURE Database		203 Gr.H2O Sites, 30 Str.H2O sites	Jones,Onslow,Pender
*93-27		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	172 Str. Sed. sites, 35 Supp.Sites.....	Beau.,Cumb.,Dupl.,Greene. \$3.50
		for the KINSTON 30 x 60 Minute Quadrangles -NURE Database		287 Gr.H2O Sites, 22 Str.H2O sites	Jones,Lenoir,Pitt,Wayne
*93-26		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	208 Str. Sed. sites, 70 Supp.Sites.....	Beau.,Bert.,Edgcm.,Green., \$3.50
		for the ROCKY MOUNT 30 x 60 Minute Quadrangles -NURE Database		286 Gr.H2O Sites, 6 Str.H2O sites	Mart.,Nash,Pitt,Wils.,Wayne
*93-25		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	252 Str. Sed. sites, 195 Supp.Sites.....	Bert.,Edgcm.,Halif.,Hert,... \$4.50
		for the EMPORIA and ROANOKE RAPIDS 30 x 60 Minute Quadrangles -NURE Database		324 Gr.H2O Sites, 0 Str.H2O sites	Mart.,Nash,Northam.,Warren
*93-24		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	164 Str. Sed. sites, 0 Supp.Sites.....	Bladen,Brunswick..... \$3.50
		for the WHITEVILLE and MYRTLE BEACH 30 x 60 Minute Quadrangles -NURE Database		270 Gr.H2O Sites, 0 Str.H2O sites	Columbus,Pender,Robeson
*93-23		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	173 Str. Sed. sites, 70 Supp.Sites.....	Bladen.,Cumb.,Duplin..... \$4.50
		for the ELIZABETHTOWN 30 x 60 Minute Quadrangles -NURE Database		334 Gr.H2O Sites, 70 Str.H2O sites	Pender,Robeson,Sampson
*93-22		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	237 Str. Sed. sites, 237 Supp.Sites.....	Cumb.,Duplin,Harnett..... \$4.50
		for the FAYETTEVILLE 30 x 60 Minute Quadrangles -NURE Database		312 Gr.H2O Sites, 97 Str.H2O sites	Johnston,Sampson,Wayne
*93-21		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	342 Str. Sed. sites, 299 Supp.Sites.....	Chat.,Dur.,Fmkl.,Harn.,Lee \$4.50
		for the RALEIGH 30 x 60 Minute Quadrangles -NURE Database		198 Gr.H2O Sites, 3 Str.H2O sites	Jones,Nash,Org.,Wake,Wils.,Way.
*93-20		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	401 Str. Sed. sites, 401 Supp.Sites.....	Dur.,Fmkl.,Gran.,Nash..... \$4.50
		for the SOUTH BOSTON 30 x 60 Minute Quadrangles -NURE Database		214 Gr.H2O Sites, 0 Str.H2O sites	Orange,Pers.,Vance,Wake,Warren
*93-19		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	157 Str. Sed. sites, 89 Supp.Sites.....	Anson,Columbus,Hoke..... \$3.50
		for the LAURINBURG and FLORENCE 30 x 60 Minute Quadrangles -NURE Database		239 Gr.H2O Sites, 43 Str.H2O sites	Robeson,Richmond,Scotland
*93-18		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	295 Str. Sed. sites, 295 Supp.Sites.....	Anson,Col.,Hoke,Harn..... \$4.50
		for the SOUTHERN PINES 30 x 60 Minute Quadrangles -NURE Database		220 Gr.H2O Sites, 29 Str.H2O sites	Lee,Montg.,Moore,Rich.,Scot.
*93-17		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	325 Str. Sed. sites, 324 Supp.Sites.....	Alam.,Chat.,Guil.,Lee..... \$4.50
		for the CHAPEL HILL 30 x 60 Minute Quadrangles -NURE Database		199 Gr.H2O Sites, 0 Str.H2O sites	Montg.,Moore,Org.,Rand.
*93-16		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	288 Str. Sed. sites, 288 Supp.Sites.....	Alam.,Caswell,Guil..... \$4.50
		for the DANVILLE and GREENSBORO 30 x 60 Minute Quadrangles -NURE Database		211 Gr.H2O Sites, 0 Str.H2O sites	Orange,Person,Rockingham
*93-15		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	92 Str. Sed. sites, 92 Supp.Sites.....	Anson,Union..... \$2.50
		for the LANCASTER 30 x 60 Minute Quadrangles -NURE Database		57 Gr.H2O Sites, 0 Str.H2O sites	
*93-14		Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater.....	1993 R Carpenter & Reid.....	257 Str. Sed. sites, 255 Supp.Sites.....	Anson,Cabar.,Gast.,Linc.... \$3.50
		for the CHARLOTTE 30 x 60 Minute Quadrangles -NURE Database		185 Gr.H2O Sites, 0 Str.H2O sites	Meck.,Montg.,Rich.,Stan.,Union

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*93-13					
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the SALISBURY 30 x 60 Minute Quadrangles -NURE Database	1993	R Carpenter & Reid	301 Str. Sed. sites, 292 Supp.Sites	Cataw.,Davie,Davidson	\$4.00
*93-12					
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the GALAX and WINSTON-SALEM 30 x 60 Minute Quadrangles -NURE Database	1993	R Carpenter & Reid	195 Gr.H2O Sites, 0 Str.H2O sites 414 Str. Sed. sites, 414 Supp.Sites	Ired.,Linc.,Rand.,Rowan Alleg.,Davie,Fors.,Guil	\$4.50
*93-11					
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the GASTONIA 30 x 60 Minute Quadrangles -NURE Database	1993	R Carpenter & Reid	219 Gr.H2O Sites, 0 Str.H2O sites 223 Str. Sed. sites, 223 Supp.Sites	Ire.,Rock.,Stokes,Surry,Wilkes,Yad. Cleveland,Gaston,Lincoln	\$3.50
*93-10					
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the HICKORY 30 x 60 Minute Quadrangles -NURE Database	1993	R Carpenter & Reid	132 Gr.H2O Sites, 0 Str.H2O sites 350 Str. Sed. sites, 350 Supp.Sites	Polk,Rutherford Alex.,Avery,Burke,Cald	\$4.50
*93-9					
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the WYTHEVILLE and BOONE 30 x 60 Minute Quadrangles -NURE Database	1993	R Carpenter & Reid	181 Gr.H2O Sites, 0 Str.H2O sites 390 Str. Sed. sites, 389 Supp.Sites	Cle.,Ire.,Linc.,McDow.,Ruth. Alex.,Alleg.,Ashe,Avery	\$5.00
*93-8					
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the HENDERSONVILLE 30 x 60 Minute Quadrangles -NURE Database	1993	R Carpenter & Reid	201 Gr.H2O Sites, 0 Str.H2O sites 256 Str. Sed. sites, 19 Supp.Sites	Caldwell,Wilkes,Watauga Bunc.,Henderson,Haywood	\$3.50
*93-7					
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the ASHEVILLE 30 x 60 Minute Quadrangles -NURE Database	1993	R Carpenter & Reid	160 Gr.H2O Sites, 0 Str.H2O sites 355 Str. Sed. sites, 219 Supp.Sites	Jack.,Polk,Ruth.,Transylv. Avery,Bunc.,Hay.,McDow.	\$4.50
*93-6					
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the JOHNSON CITY 30 x 60 Minute Quadrangles -NURE Database	1993	R Carpenter & Reid	248 Gr.H2O Sites, 0 Str.H2O sites 47 Str. Sed. sites, 43 Supp.Sites	Madison,Mitchell,Yancey Avery,Madison,Mitchell	\$2.50
*93-5					
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the FONTANA LAKE and TOCCOA 30 x 60 Minute Quadrangles -NURE Database	1993	R Carpenter & Reid	9 Gr.H2O Sites, 0 Str.H2O sites 371 Str. Sed. sites, 5 Supp.Sites	Yancey Cherok.,Clay,Graham,Hay	\$3.50
*93-4					
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the KNOXVILLE 30 x 60 Minute Quadrangles -NURE Database	1993	R Carpenter & Reid	161 Gr.H2O Sites, 0 Str.H2O sites 74 Str. Sed. sites, 0 Supp.Sites	Jack.,Macon,Swain,Transylv. Haywood,Jackson,Swain	\$2.50
*93-3					
Listing of Concentrations of Variables of Stream Sediment, Stream Water, and Groundwater for the CLEVELAND and DALTON 30 x 60 Minute Quadrangles -NURE Database	1993	R Carpenter & Reid	17 Gr.H2O Sites, 0 Str.H2O sites 51 Str. Sed. sites, 70 Supp.Sites	Cherokee	\$2.50
*93-2					
Listing of Conc. (Gr. and Stream H2O) of Variables Which Equal or Exceed 90th Percentile, and pH and Conductivity Below the 10th Percentile in the NC Portion of the NURE Database	1993	J C Reid and R Carpenter	26 Gr.H2O Sites, 0 Str.H2O sites NURE Database	State-wide	\$8.50
*93-1					
Listing of Conc. (Stream Sediments) of Variables Which Equal or Exceed 90th Percentile, and pH and Conductivity Below the 10th Percentile in the NC Portion of the NURE Database	1993	J C Reid and R Carpenter	NURE Database	State-wide	\$12.50
92-2					
Mica: a listing of N.C. Geological Survey mica mine files and a discussion of the mineral	1992	S Ballew	Mica, mine locations	Blue Ridge, Piedmont	\$5.00
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Permitted Active & Inactive Mining Operations in N.C. as of May 1992	1992	Reid and Davis	Mining industry, permitted mines	State-wide	OP
91-3					
Stratig. Framework & Heavy-Min. Res. Potent... Inner Cont. Shelf, Cape Fear Area, N. C.: 1st Prog. Rpt.	1991	Hoffman, Gallagher, Zarra	Stratigraphy, heavy minerals	Inner cont. shelf	\$3.00
91-2					
Permitted Active & Inactive Mining Operations in N.C. as of May 1991	1991	Reid and Davis	Mining industry, permitted mines	State-wide	OP
91-1					
The Dummitt-Palmer #1 coal-bed methane test well, Lee County, North Carolina	1991	Hoffman and Beutel	Methane gas	Lee, Triassic basin	\$3.00
90-7					
Bedrock Geol. and Mineral Res. of the Powhatan 7.5-min. Quad., Johnston Co., N.C. (incl. text) 1:24,000.	1990	P A Carpenter III	Geologic map	Johnston	\$4.00
90-5					
Geologic Map of Sedimentary Deposits along the Fall Zone of Northhampton, Halifax, Nash, Wilson Co.	1990	Gallagher and Hoffman	Heavy-minerals	(Northampton, Halifax,	\$4.00
90-4					
Geol. & Heavy-Mineral Explor. of Sed. Dep. along Fall Zone (Northampton, Halifax, Nash, Wilson Co.)	1990	Gallagher and Hoffman	Heavy-minerals	Nash, Wilson)	\$2.50
90-3					
Heavy-Mineral Resource Potential of Surficial Sediments on the Atlantic Continental Shelf of N.C.	1990	Grosz, et al	Heavy-minerals	Coastal Plain (Offshore)	\$4.00
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Alphabetical Listing of Theses and Dissertations on North Carolina Geology (Revised 6/92, 4/95)	1990	R O Walton III	Theses and dissertations	State-wide	\$3.00
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Review of Seismic Reflection Data from the N.C. Coastal Plain and adjacent Continental Shelf	1990	L Zarra	Seismic reflection data	Coastal Plain	\$3.00
89-5					
Sequence Stratigraphy and Foraminiferal Biostratigraphy, selected wells, Albermarle Embayment, N.C.	1989	L Zarra	Biostratigraphy	Coastal Plain	\$6.00
89-4					
The MINERAL INDUSTRY of North Carolina in 1988	1989	US Bureau of Mines	Mining industry	State-wide	\$3.00
89-2					
Geologic Map of the SOUTHWEST DURHAM 7.5' Quadrangle, North Carolina	1989	Hoffman and Gallagher	Triassic basin, geologic map	Durham, Wake	\$3.00
89-1					
Geologic Map of the SOUTHEAST DURHAM 7.5' Quadrangle, North Carolina	1989	Hoffman and Gallagher	Triassic basin, geologic map	Durham, Wake	\$3.00
88-2.f					
North Carolina Geological Survey Database Maps- Sheet 6: Eastville & Manteo Quadrangles	1988	Nickerson and Hoffman	Well locations, database	35°-36°33'; 75°25'-76°	\$2.50
88-2.e					
North Carolina Geological Survey Database Maps- Sheet 5: Beaufort 1° x 2° Quadrangle	1988	Nickerson and Hoffman	Well locations, database	33°50'-35°; 76°-78°	\$2.50

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88-2.c		North Carolina Geological Survey Database Maps- Sheet 3: Norfolk 1° x 2° Quadrangle.....	1988 Nickerson and Hoffman.....	Well locations, database.....	36°-36°33'; 76°-78°15'.....	\$2.50
88-2.b		North Carolina Geological Survey Database Maps- Sheet 2: Florence 1° x 2° Quadrangle.....	1988 Nickerson and Hoffman.....	Well locations, database.....	33°50'-35°; 78°-80°20'.....	\$2.50
88-2.a		North Carolina Geological Survey Database Maps- Sheet 1: Raleigh 1° x 2° Quadrangle.....	1988 Nickerson and Hoffman.....	Well locations, database.....	Lat.35°-36°;Long.78°-80°..	\$2.50
88-1		North Carolina Geological Survey Sample Repository of Core, Cuttings, and Well Logs.....	1988 Hoffman and Nickerson.....	Sample Repository.....	State-wide.....	\$1.50
87-3		Lithostratigraphic-Seismic Eval. of Hydrocarbon Potential, N.C. Coastal and Continental Margins.....	1987 C C Almy, Jr.....	Lithostratig., seismic eval.....	Coastal & Cont. Margins....	\$25.00
87-2		Residual Bouguer Gravity Map of North Carolina and Vicinity.....	1986 W W Black.....	Gravity.....	State-wide.....	\$4.50
87-1		Simple Bouguer Gravity Map of North Carolina and Vicinity.....	1986 W W Black.....	Gravity.....	State-wide.....	\$4.50
81-5		Geologic Map of REGION J (Chatham, Durham, Johnston, Lee, Orange, & Wake Cos.) 1:125,000.....	1981 Wilson and Carpenter III.....	Region J, geologic map.....	Piedmont.....	\$3.00
81-4		Geologic Map of REGION H (Anson, Montgomery, Moore, & Richmond Cos.) (incl. text) 1:125,000.....	1981 E R Burt.....	Region H, geologic map.....	Piedmont.....	\$2.50
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81-2		Geology & Land Use, CHATHAM Co., Including Geologic Map of Chatham Co. (incl. text) 1:125,000.....	1981 W F Wilson.....	Geologic map, land use.....	Chatham County.....	NA
80-4		Clays and Shales of the North Carolina Piedmont (includes map and text).....	1980 E P Allen and K K Liles.....	Clays and shales.....	Piedmont.....	\$25.00
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76-815	Aeromag. Map of Parts of the ROCKY MOUNT and BEAUFORT 1x2 Degree Quads. (8 pl., 1:62,500).....	1976	U S Geological Survey.....	Aeromagnetic map.....	Coastal Plain.....*	\$1.50
76-534	Aeromag. Map of Part of WINSTON-SALEM 1x2 Deg. Quad., N.C., Va., Tenn.(1 pl., 1:125,000).....	1976	U S Geological Survey.....	Aeromagnetic map.....	Piedmont.....*	\$6.00
76-181	Aeromag. Maps of Parts of GEORGIA, SOUTH CAROL., and NORTH CAROL.(13 pl., 1:250,000).....	1976	U S Geological Survey.....	Aeromagnetic map.....	Coastal Plain, Piedmont...*	\$2.50
75-400	Aerorad. Maps of Part of GEORGIA, SOUTH CAROL., and NORTH CAROL.(15 pl., 1:250,000).....	1975	U S Geological Survey.....	Aeroradiometric map.....	Coastal Plain, Piedmont...*	\$2.50
74-29	Aeromag. Map of Parts of the GREENSBORO and RALEIGH 1x2 Degree Quad. (1 pl., 1:125,000).....	1974	U S Geological Survey.....	Aeromagnetic map.....	Piedmont.....*	\$5.00
74-29	Aeromag. Map of Parts of the GREENSBORO and RALEIGH 1x2 Degree Quad. (16 pl., 1:62,500).....	1974	U S Geological Survey.....	Aeromagnetic map.....	Piedmont.....*	\$1.50
74-0124	Map Showing Sample Coll. Sta. and Gold Analyses in and Near the SHUFORD GOLD MINE.....	1974	Whitlow and Windolph.....	Gold analyses, Shuford Mine.....	Catawba.....	\$3.00
66-140	Aeromagnetic Map of the Southern Part of the KNOXVILLE Quad., N.C., S.C., and TN (1:125,000).....	1966	U S Geological Survey.....	Aeromagnetic map.....	Blue Ridge.....	\$8.00
GEOLOGIC NOTES						
1	Earth Science Resource Guide for Teachers as of July 1994.....	1994	Watson & Bumgarner.....	Resource Guide.....	State-wide.....	\$1.00
2	Investigating the Miocene Geology of the NC Continental Shelf Exercises for Grades 9-12..... (designed to accompany Geologic Map Series #3: Miocene Geology of the Continental Shelf, page 7).....	1994	Louden, Stanfill, Watson.....	Miocene Educational Exercises.....	Continental Shelf.....	\$1.50
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4	A Listing of North Carolina Minerals.....	1995	Wiener & Ballew.....	Minerals.....	State-wide.....	Free
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1-654	Geologic Map of the Knoxville Quadrangle, North Carolina, Tennessee, and South Carolina.....	1971	Hadley & Nelson.....	Geologic map.....	Blue Ridge Mountains.....	\$4.00
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Professional Papers					
PP246 Geology of the Deep River Coal Field	1955	Reinemund, J.	Geologic Formations	Deep River	\$11.25
PP1462 Mineral Resources of the Charlotte 1° X 2° Quadrangle, North Carolina & South Carolina	1989	Gair, Editor	Mineral Resources	Piedmont	\$14.00
Bulletins					
B1979 Bedrock Geology and Mineral Resources of the Knoxville 1° X 2° Quadrangle, TN, NC & SC	1992	Robinson, et. al.	Geologic Map, Mineral Resources	Blue Ridge	\$9.00

AUDIO-VISUAL MATERIALS

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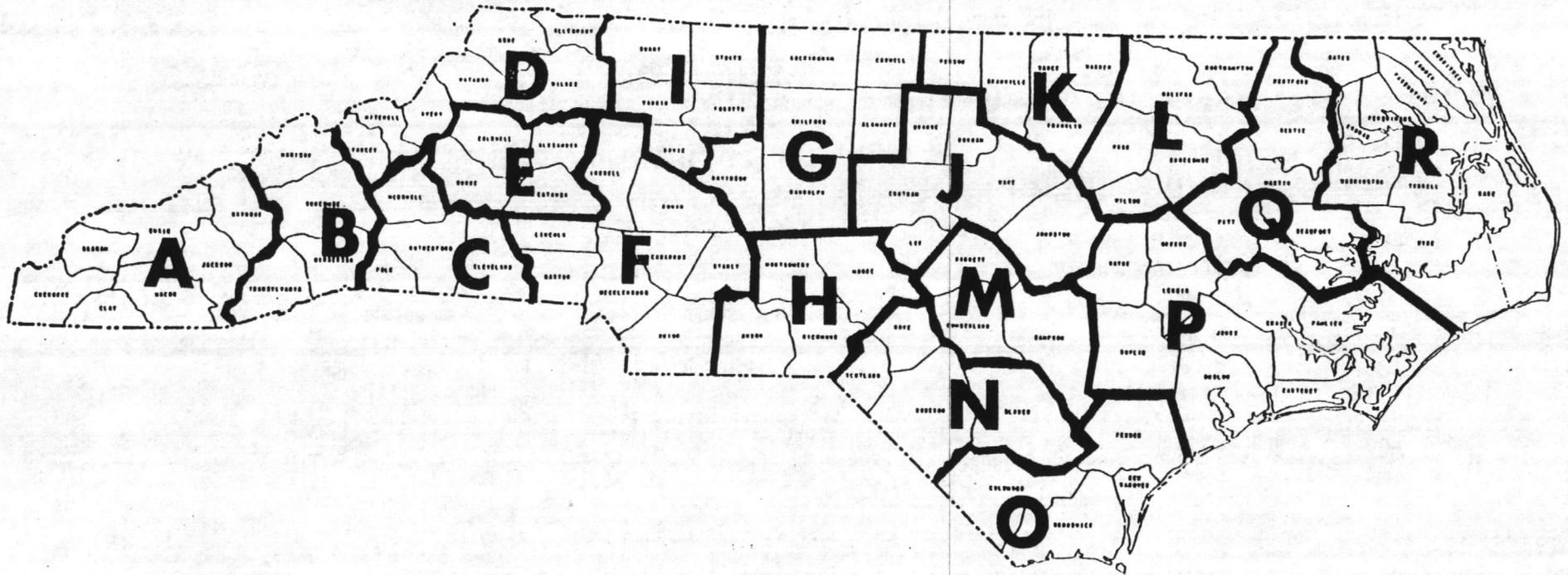
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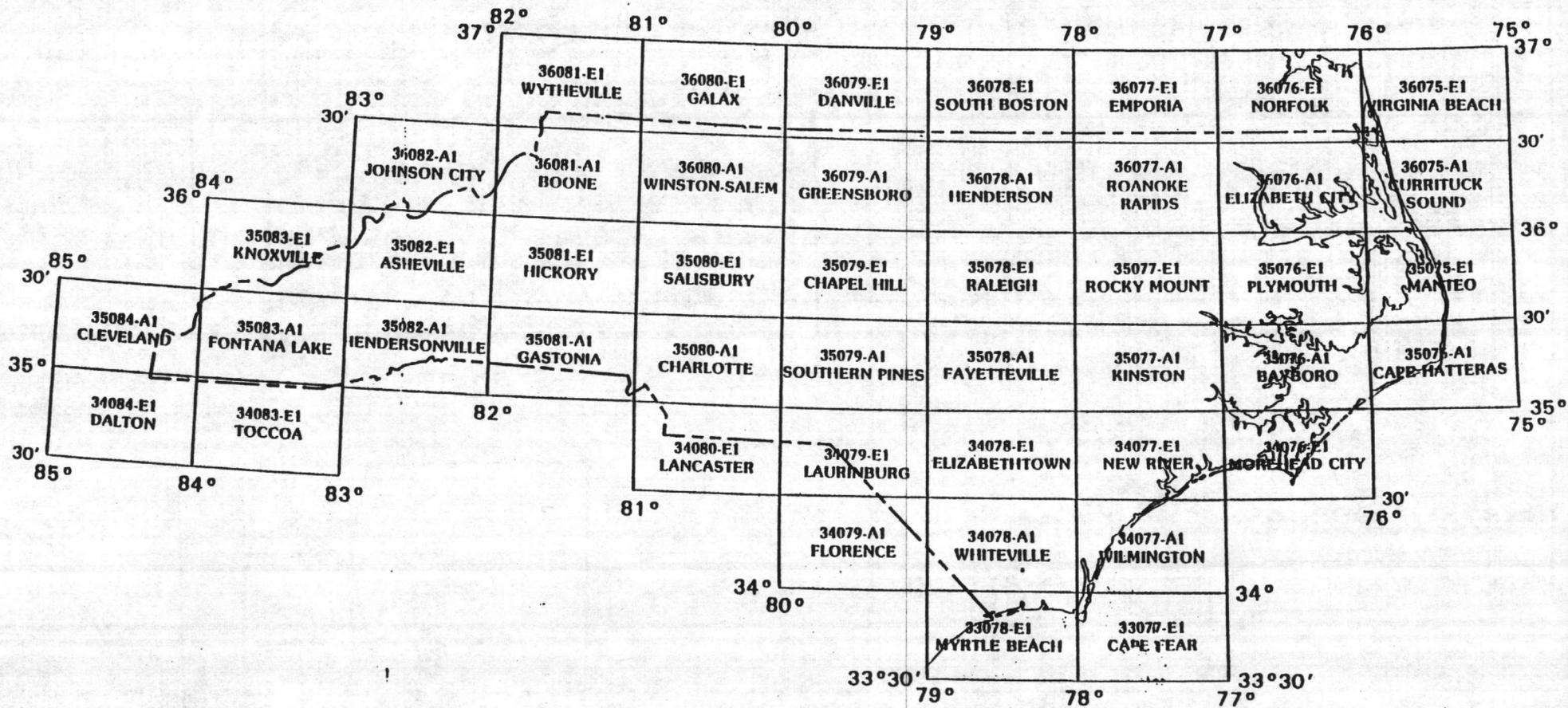
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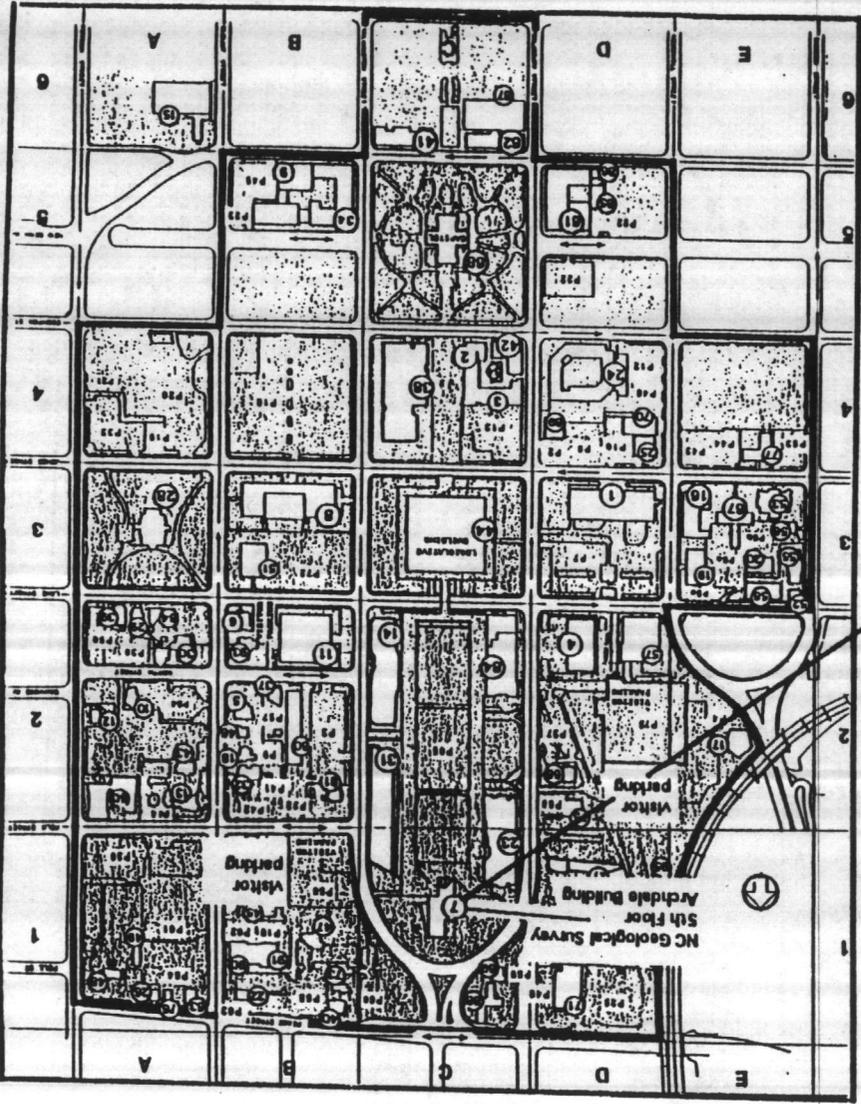
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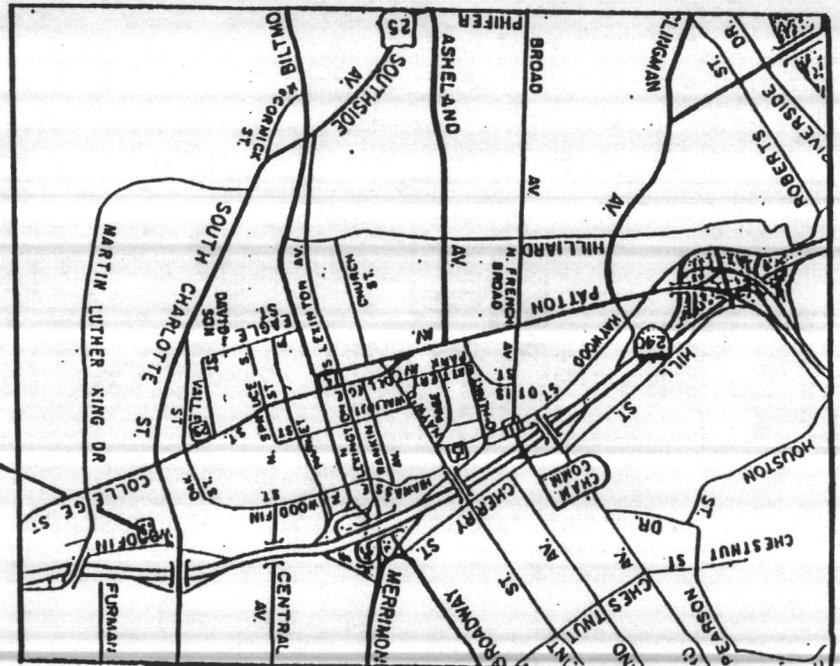


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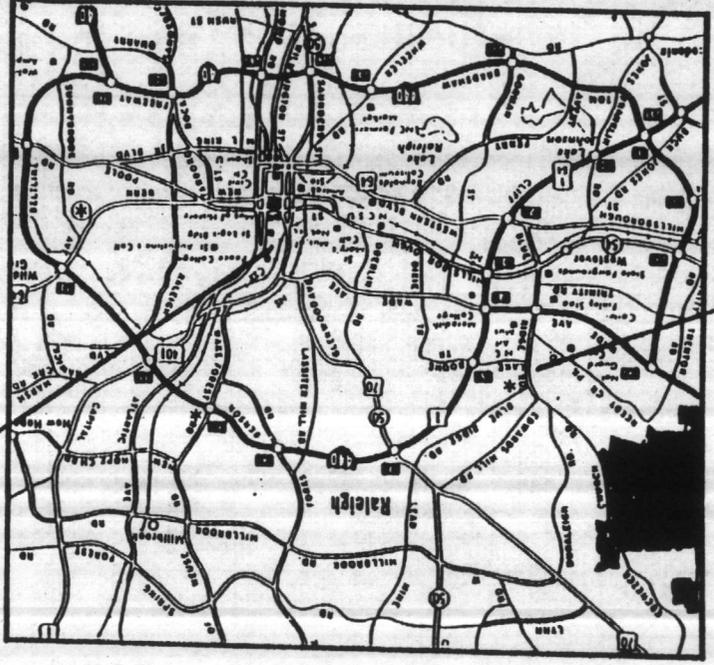
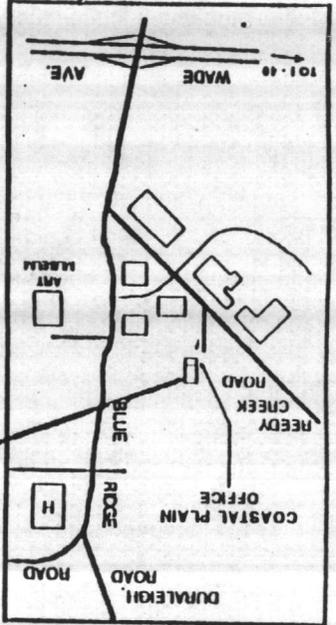
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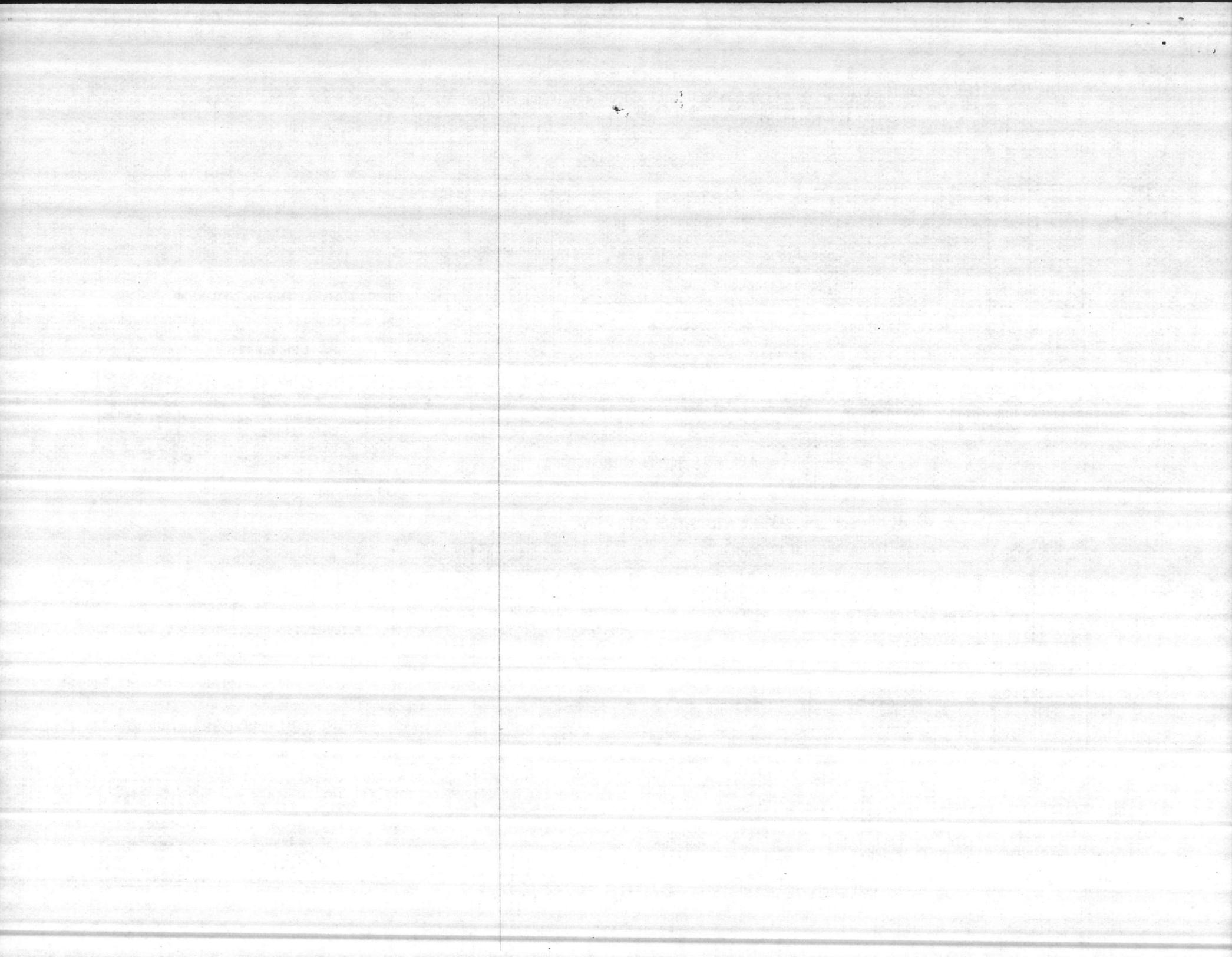


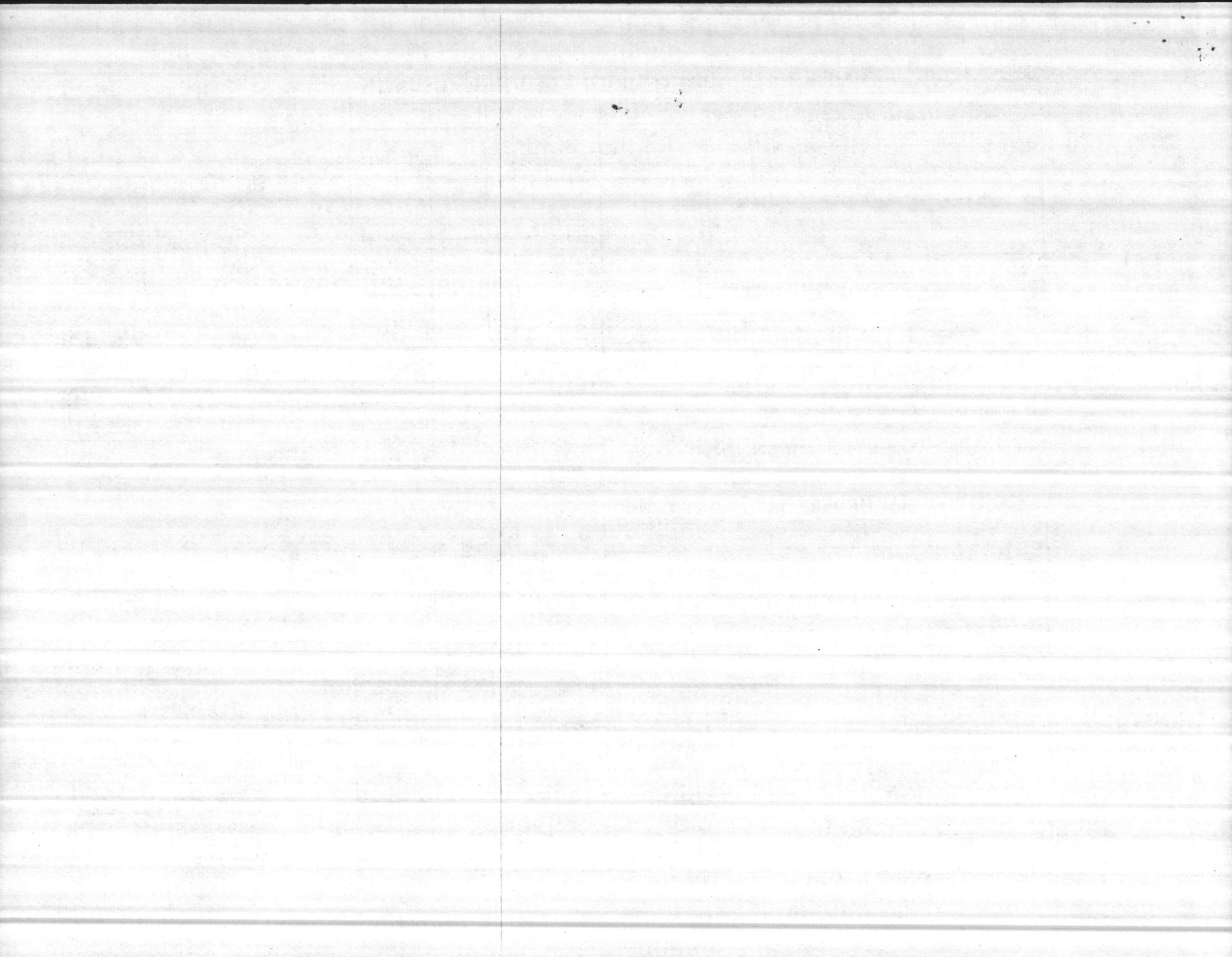
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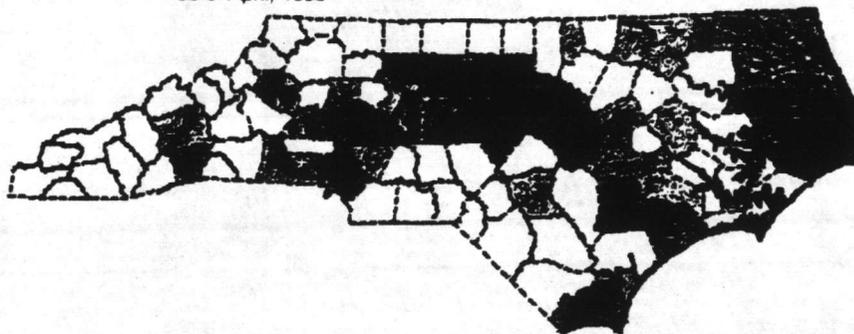






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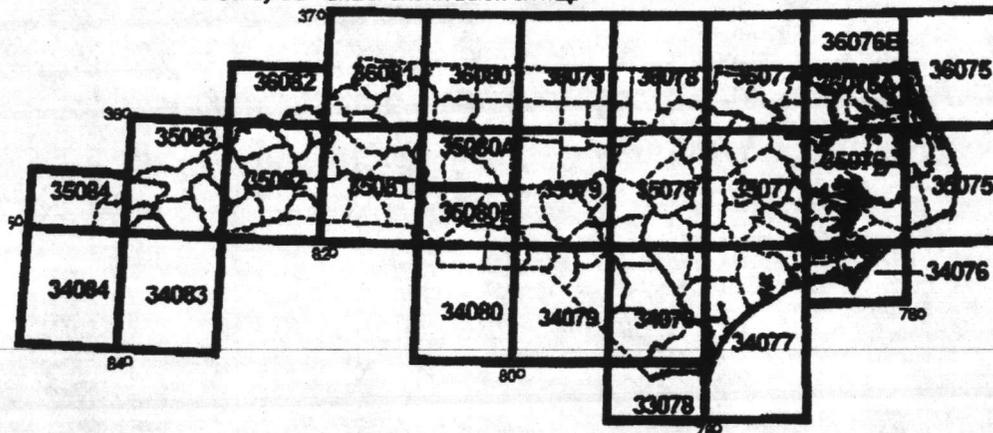
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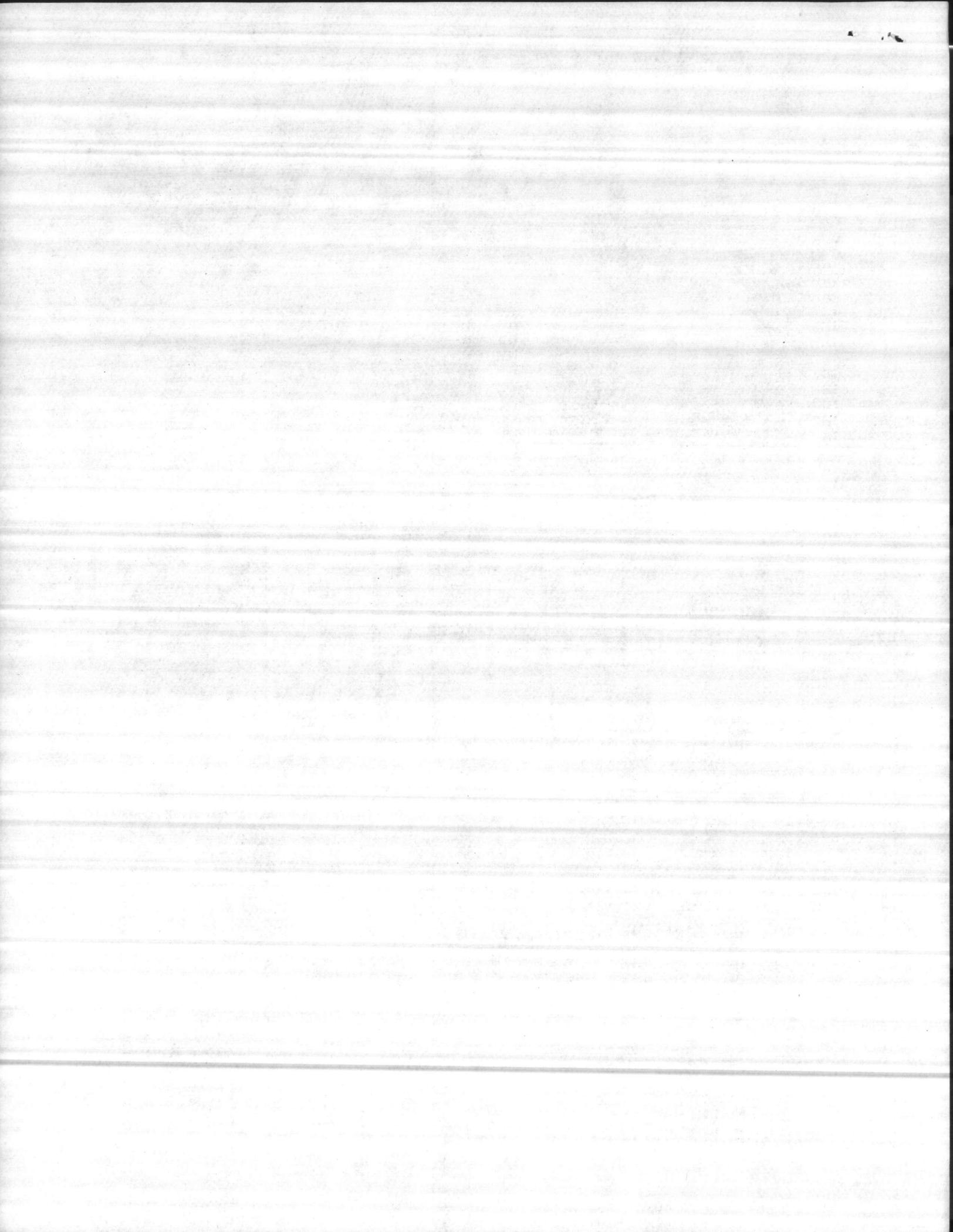
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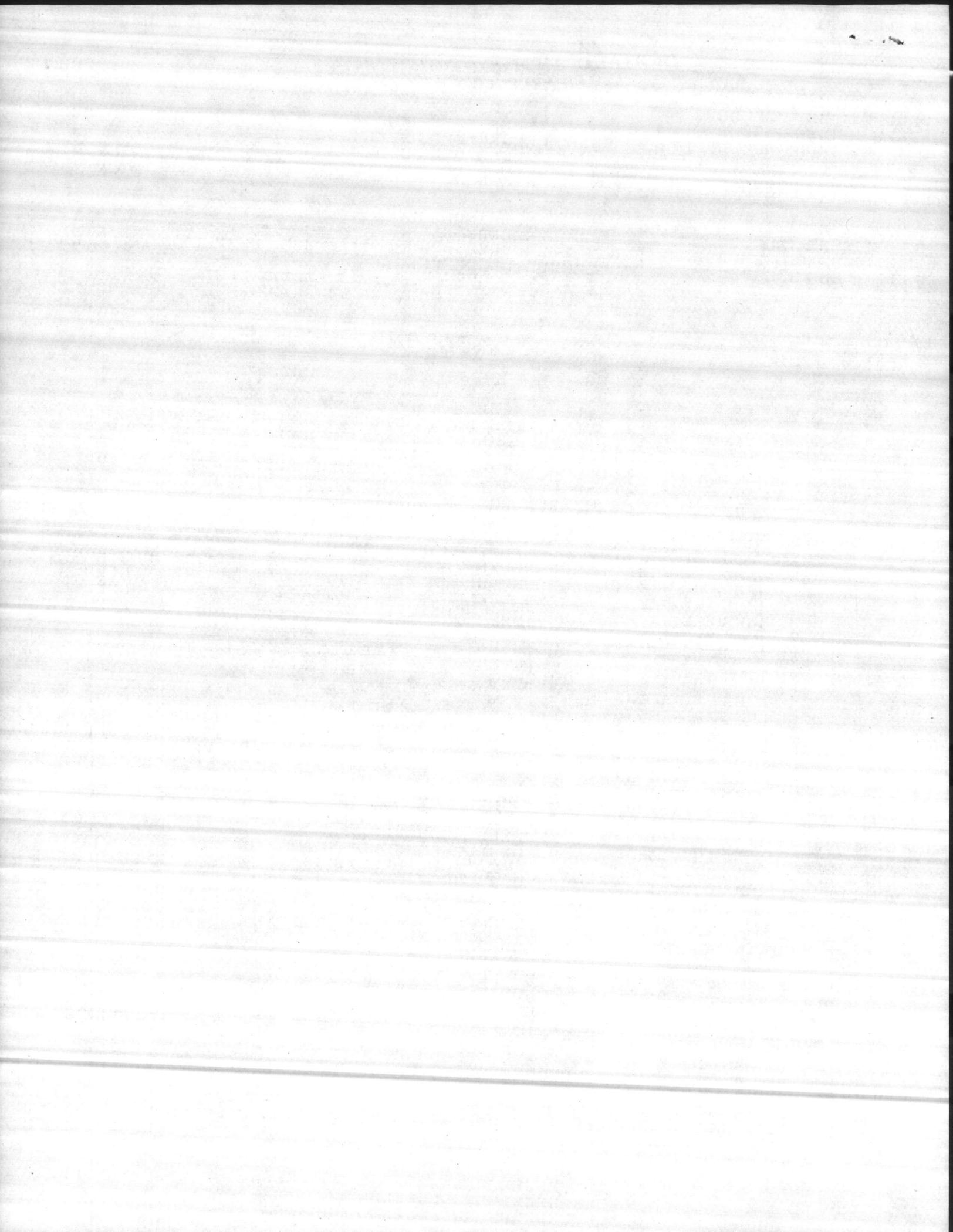
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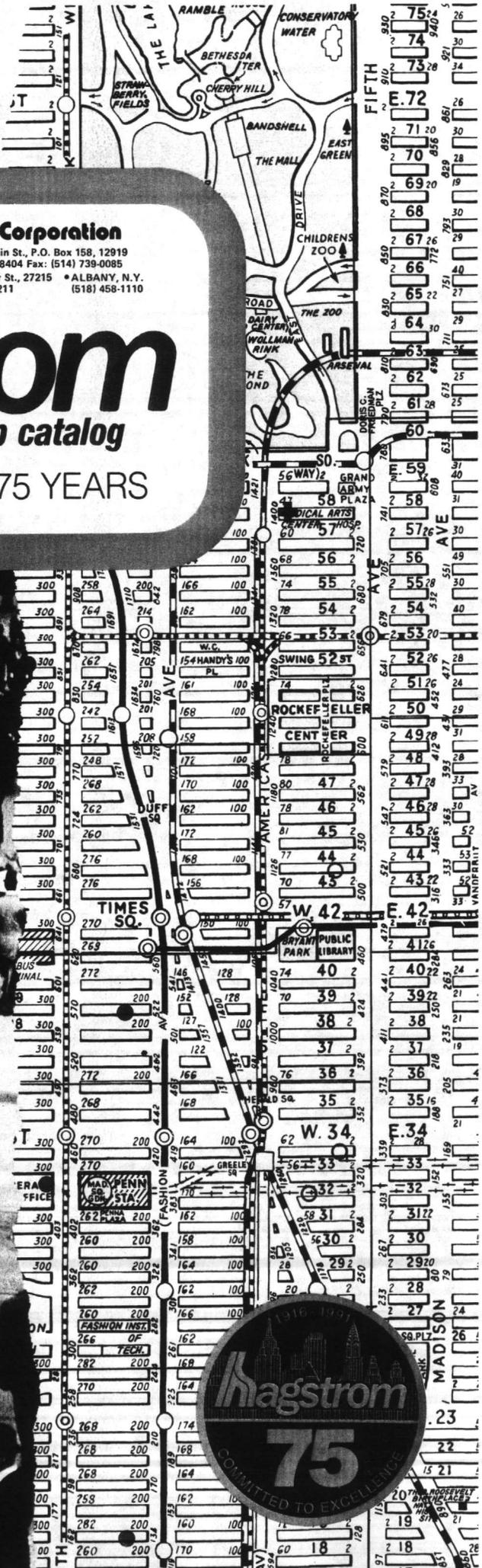
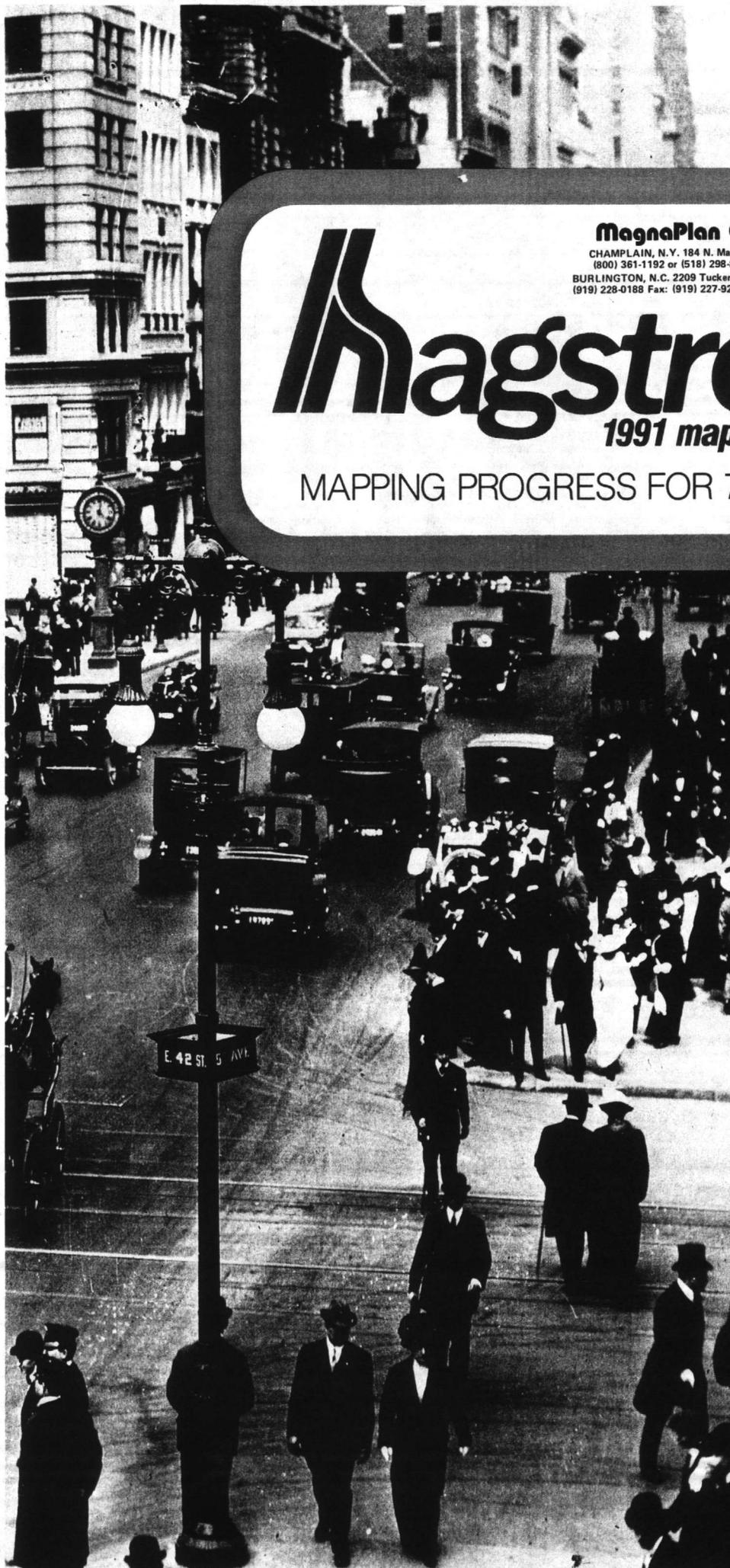
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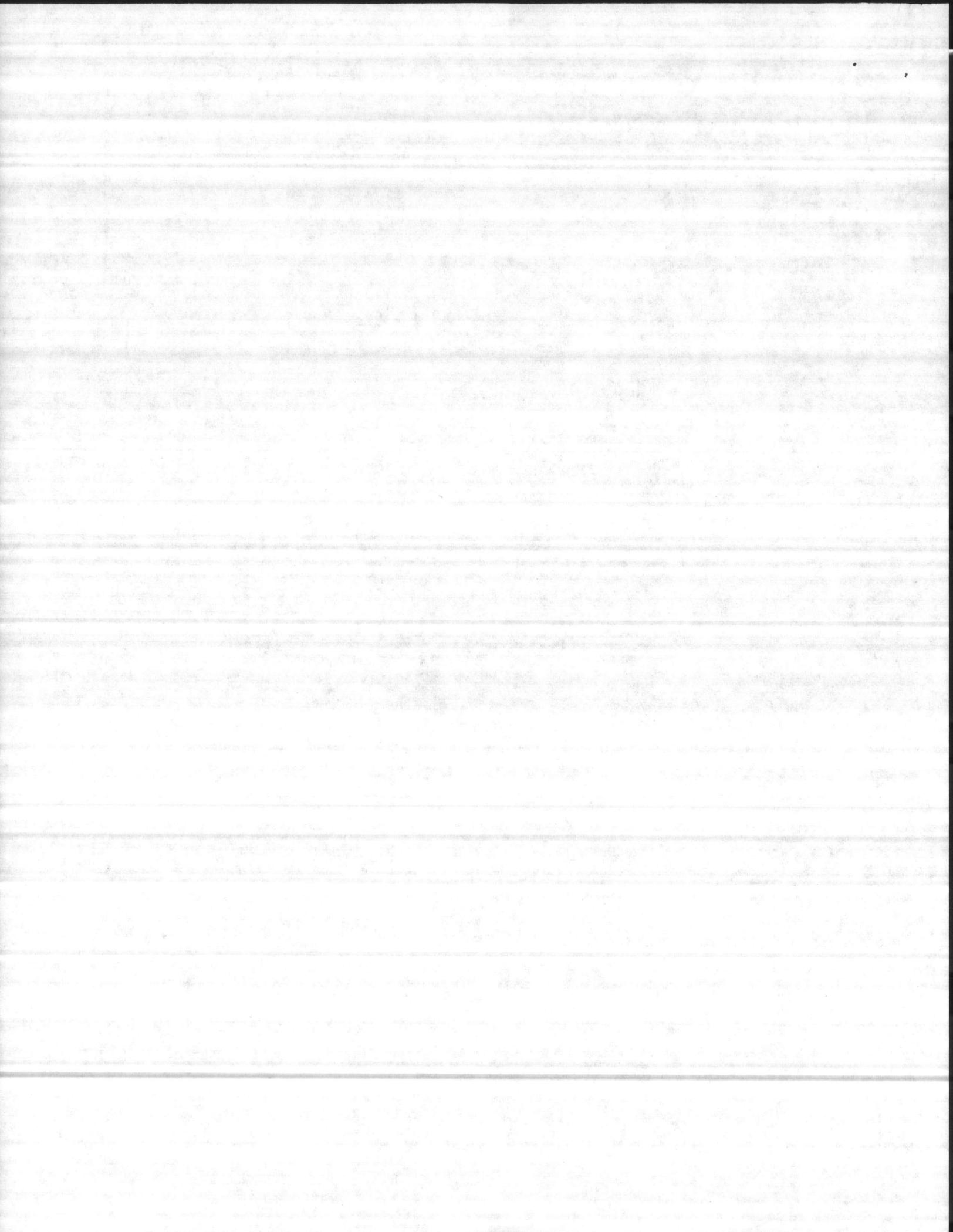
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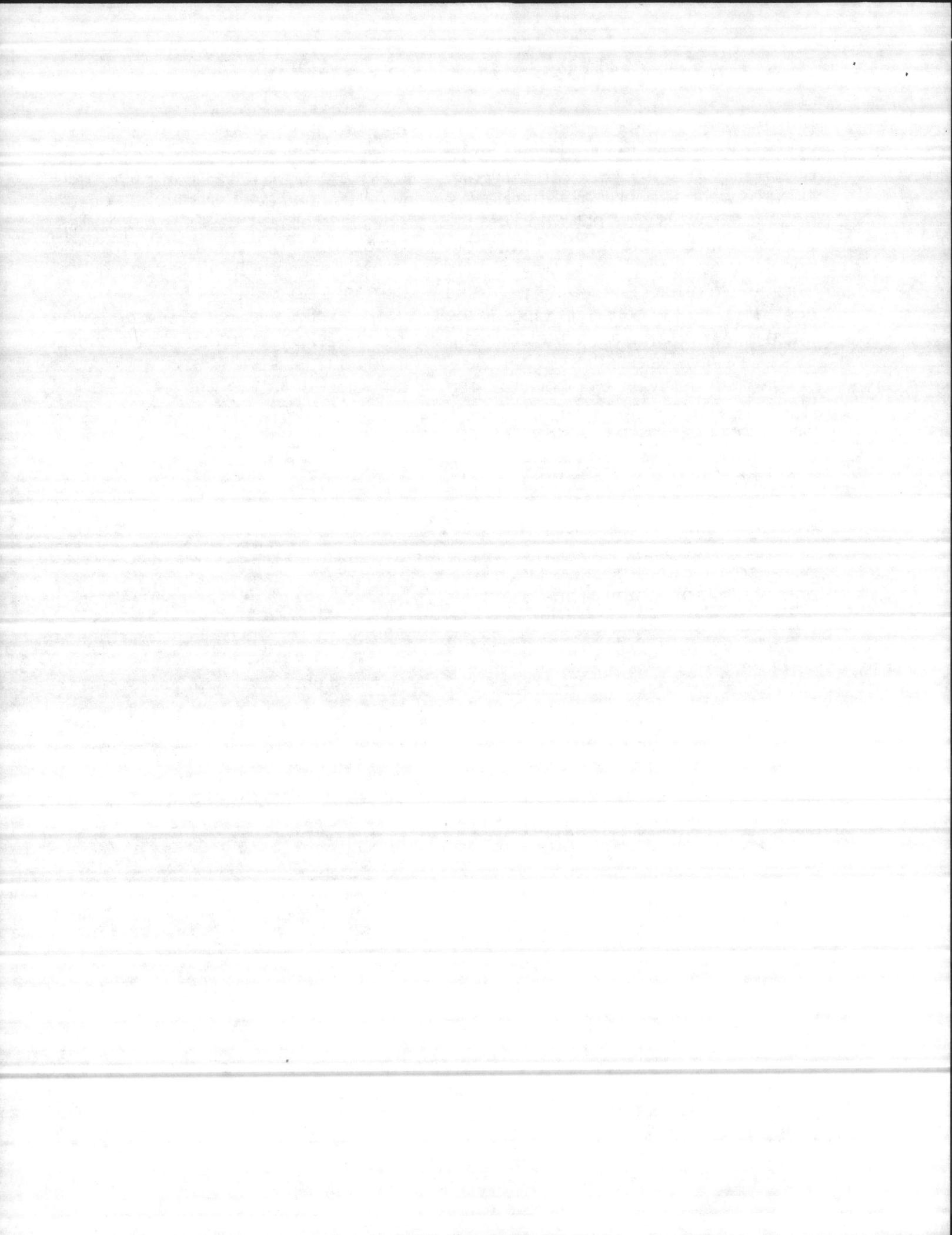
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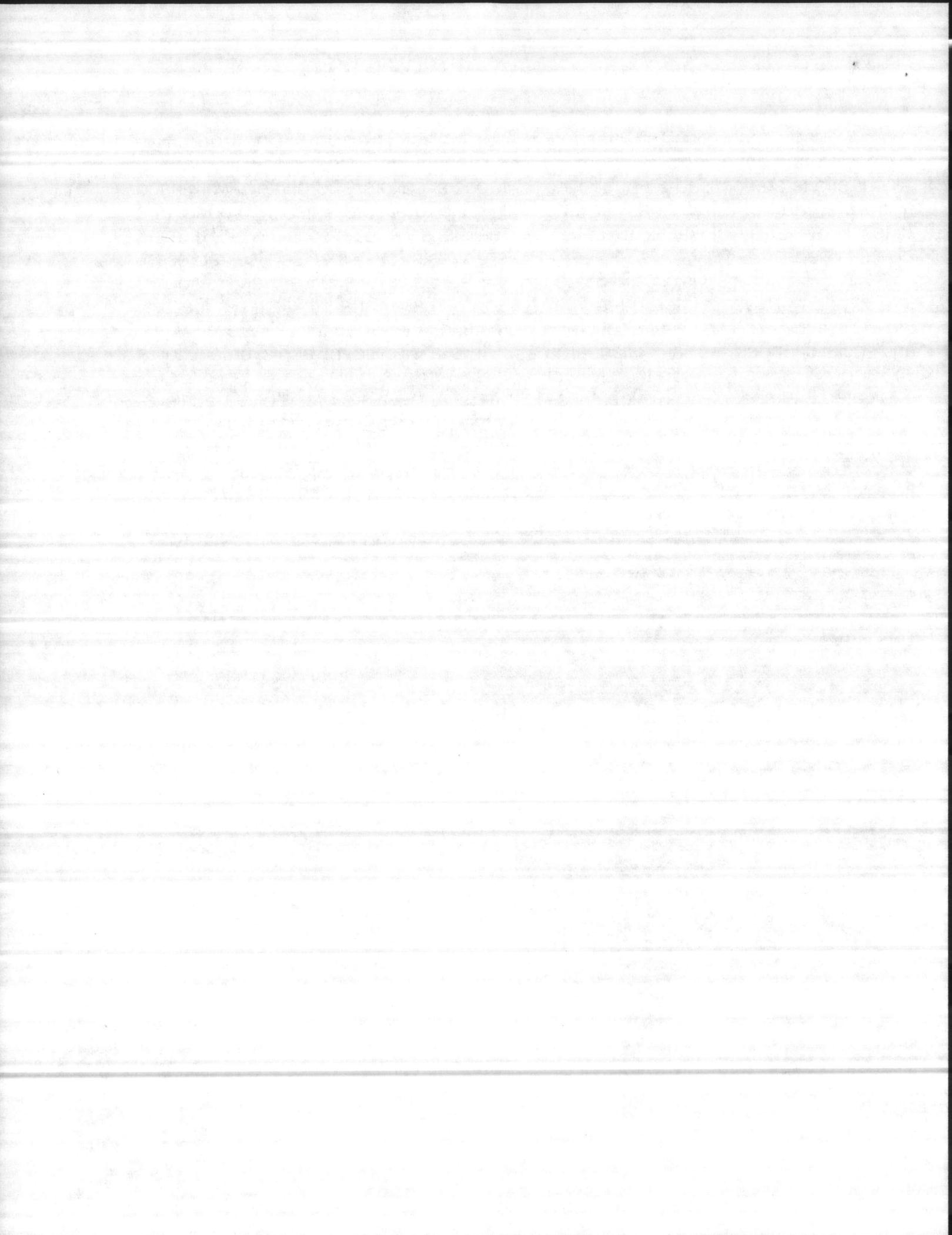
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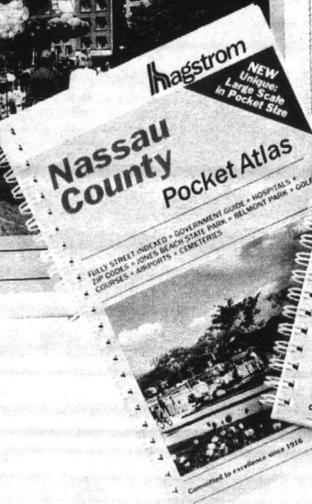
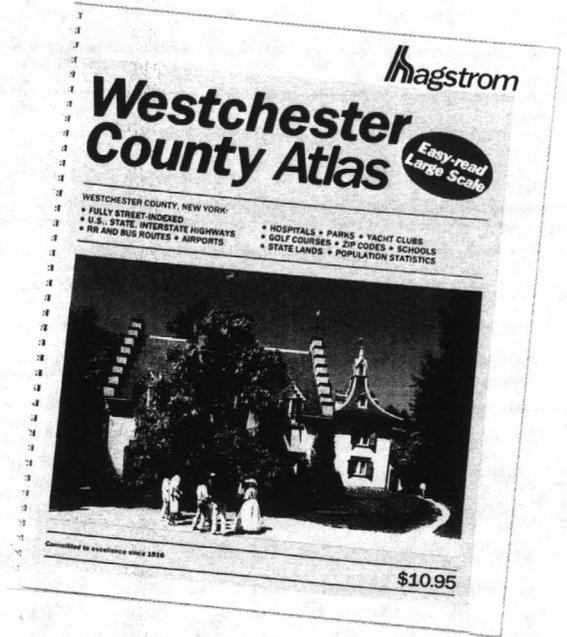
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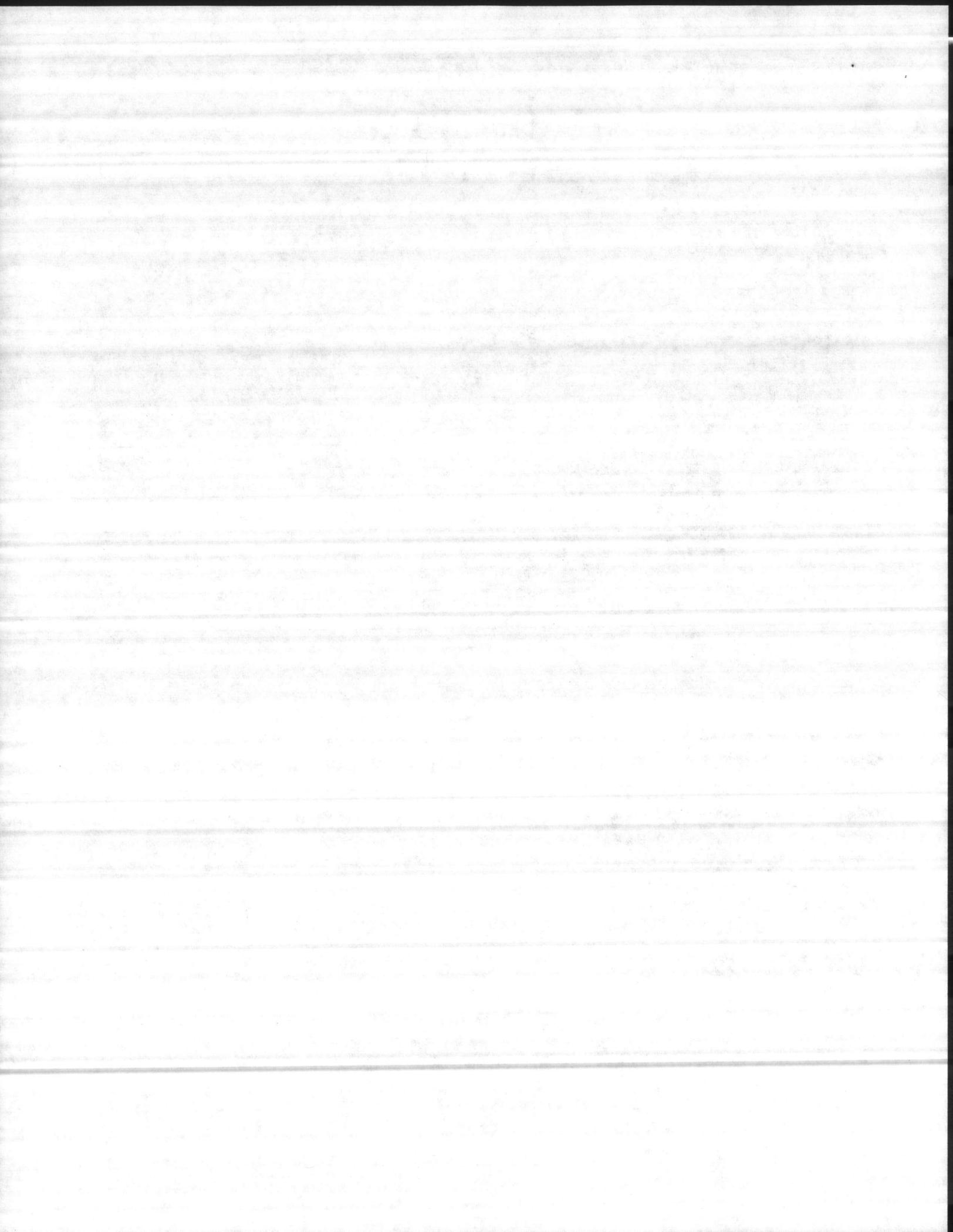
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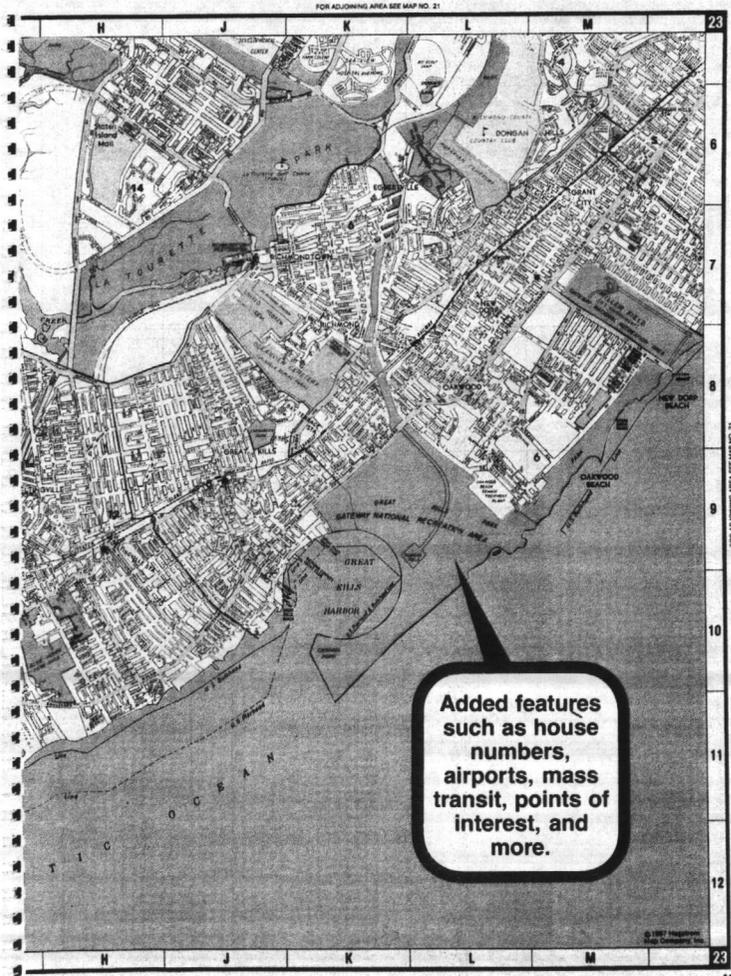
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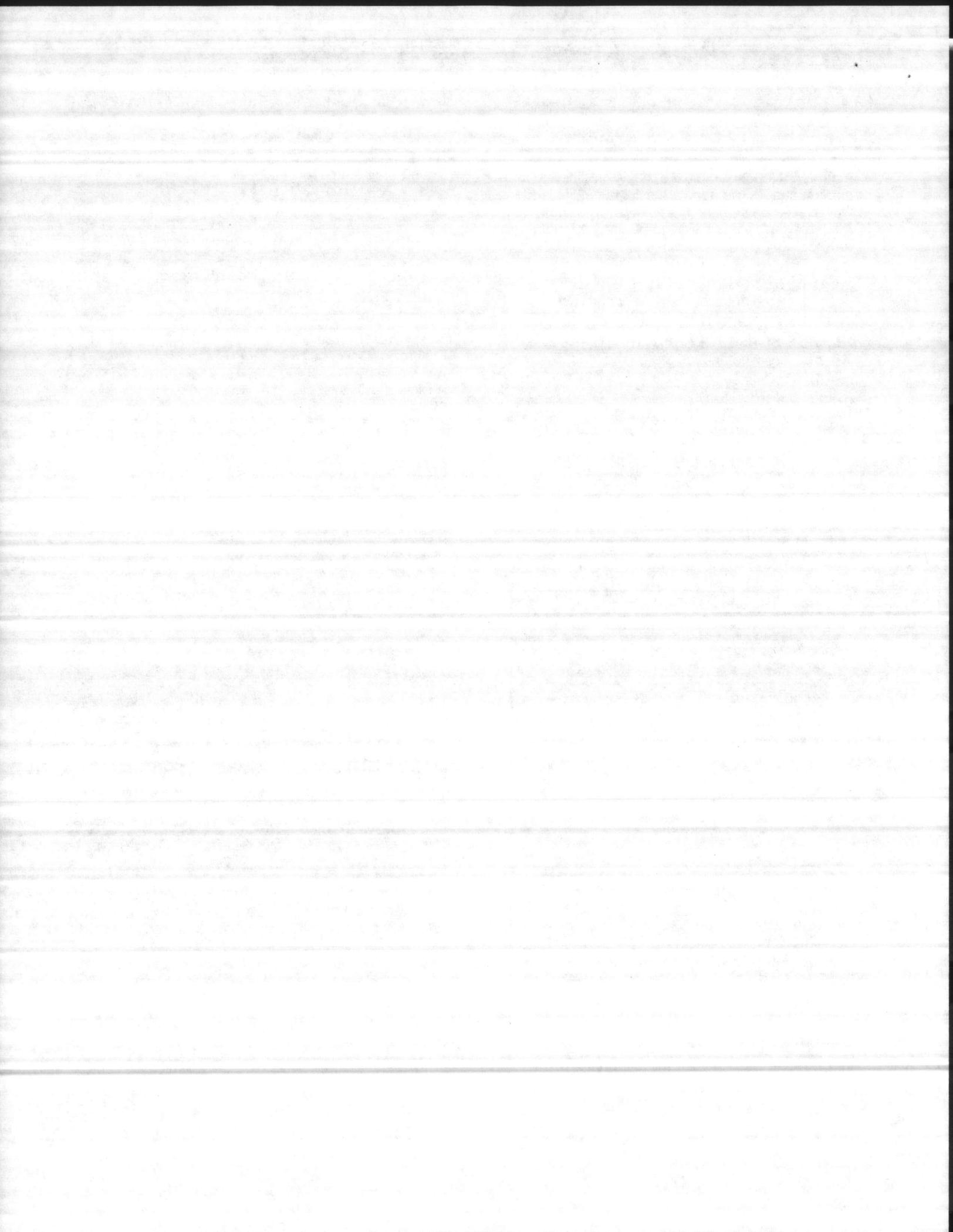
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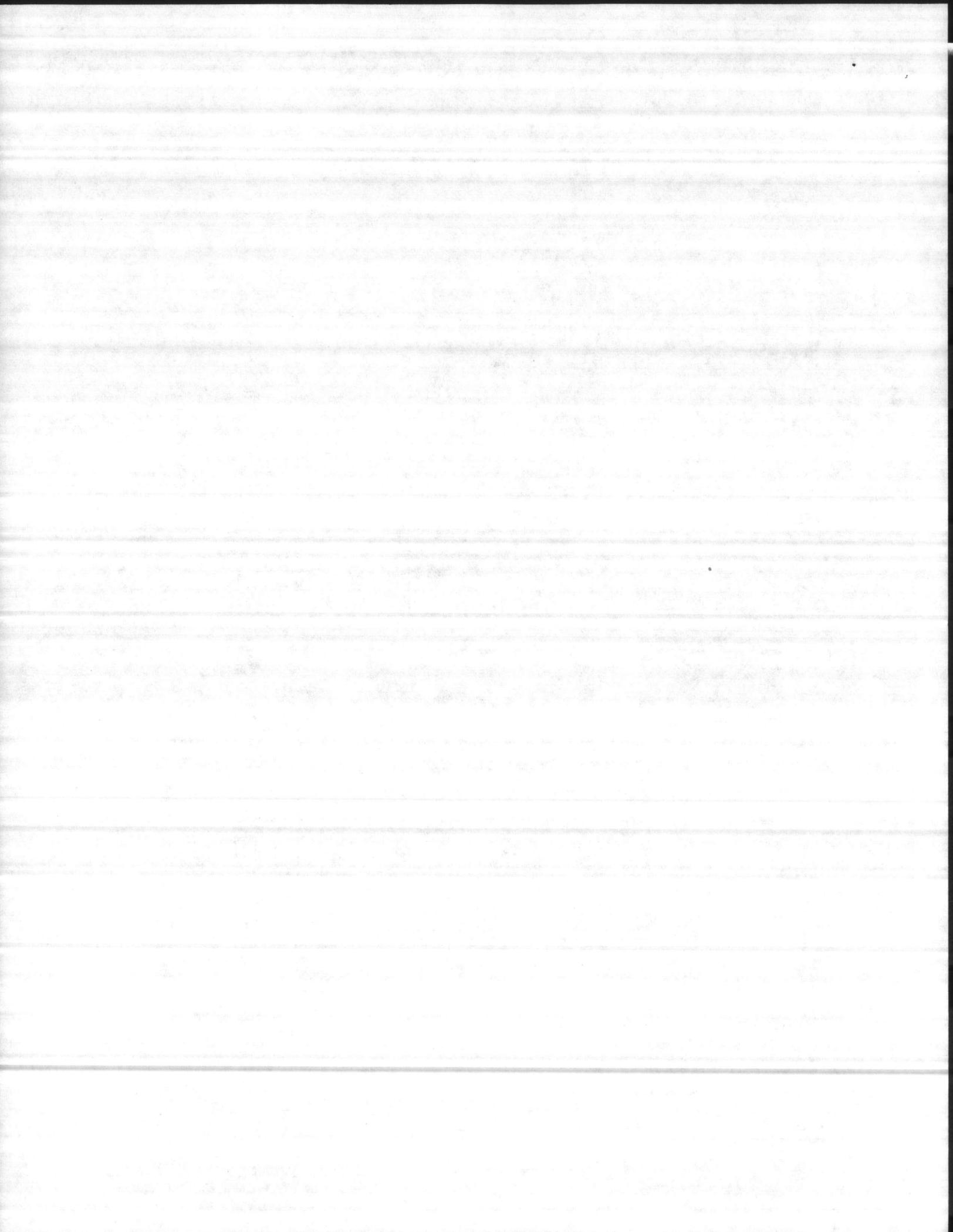
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HAGSTROM POCKET MAPS





ONCE UPON A TIME, Hagstrom Pocket Maps were black and white; clear and easy to read, but not very attractive.

Today's pocket maps are still easy to read. But now they are published in beautiful full color. We use the color to highlight major roads, parks, bodies of water, malls, airports, and other important features. And our pleasing style attracts shoppers and stimulates purchases.

Hagstrom Pocket Maps feature attractive, durable covers. So whether the maps are carried in pocket, purse or briefcase, or left in the car, the map is always in good condition when it's needed.

**NEW YORK
POCKET MAPS**

- Bronx
- Brooklyn
- Dutchess County
- Long Island Road
- Lower Manhattan
- Manhattan (NYC)
- Midtown Manhattan
- Nassau County
- NYC 5-in-1 Souvenir
- Orange County
- Putnam County
- Queens
- Rockland County
- Staten Island
- Eastern Suffolk County
- Western Suffolk County
- Westchester County (Lower)
- Westchester County (Upper)
- 50 Mile Radius (from NYC)
- 75 Mile Radius (from NYC)

**NEW JERSEY
POCKET MAPS**

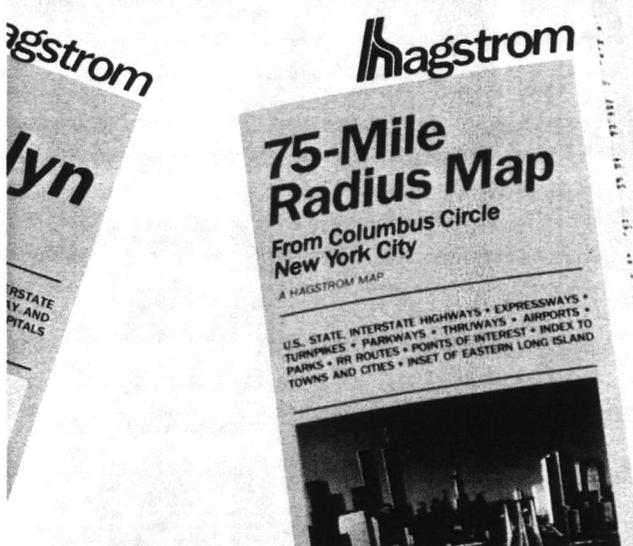
- Bergen County
- Essex County
- Hudson County
- Hunterdon County
- Jersey City
- Mercer County
- Middlesex County
- Monmouth County
- Morris County
- Newark
- New Jersey Road
- New Jersey Road, Northern
- New Jersey Road, Southern
- Ocean County
- Passaic County
- Somerset County
- Sussex County
- Union County

**CITY
POCKET MAPS**

- Greater Buffalo
- Philadelphia/Camden
- Philadelphia Center City
- Greater Rochester

**CONNECTICUT
POCKET MAPS**

- Bridgeport
- Connecticut Road
- Fairfield County (Lower)
- Fairfield County (Upper)
- Hartford (Greater)
- Litchfield County
- Stamford
- Westport/Fairfield/Weston/Wilton



STREETMATE® by Hagstrom

The newest Hagstrom brand. Offers all the quality of a traditional Hagstrom map in an economy priced line. These maps fit anywhere, from countertop displays to purse or pocket.

- Bronx
- Brooklyn
- Manhattan
- Manhattan Bus Routes
- Metro New York
- Nassau County
- Norwalk/Darien/New Canaan
- NYC Subways
- Queens
- Staten Island
- United States
- Eastern U.S.
- Westchester County (Lower)
- Westchester County (Upper)
- World

SMARTMAP

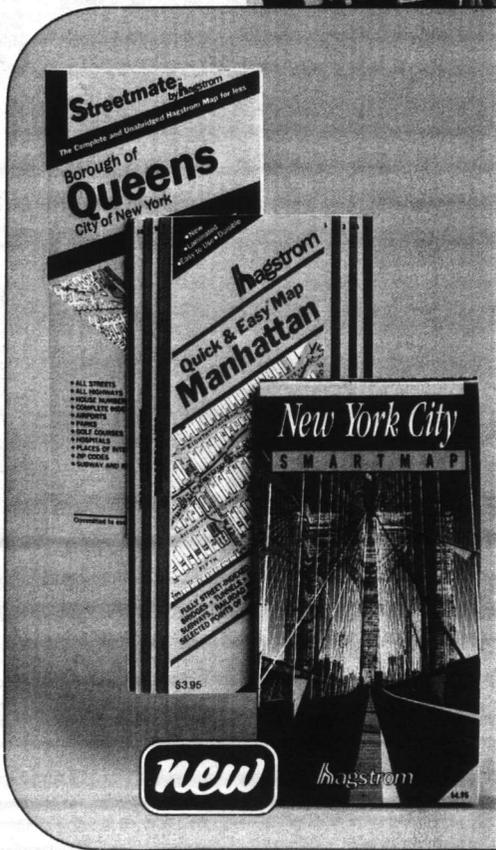
An ingenious concept. With just a flip of the wrist, SmartMap pops up to reveal a full-size map. It's a bit of high-tech map making that's fascinating, fun, and full of sales potential. Designed for tourists and business travelers—it's the perfect trip memento.

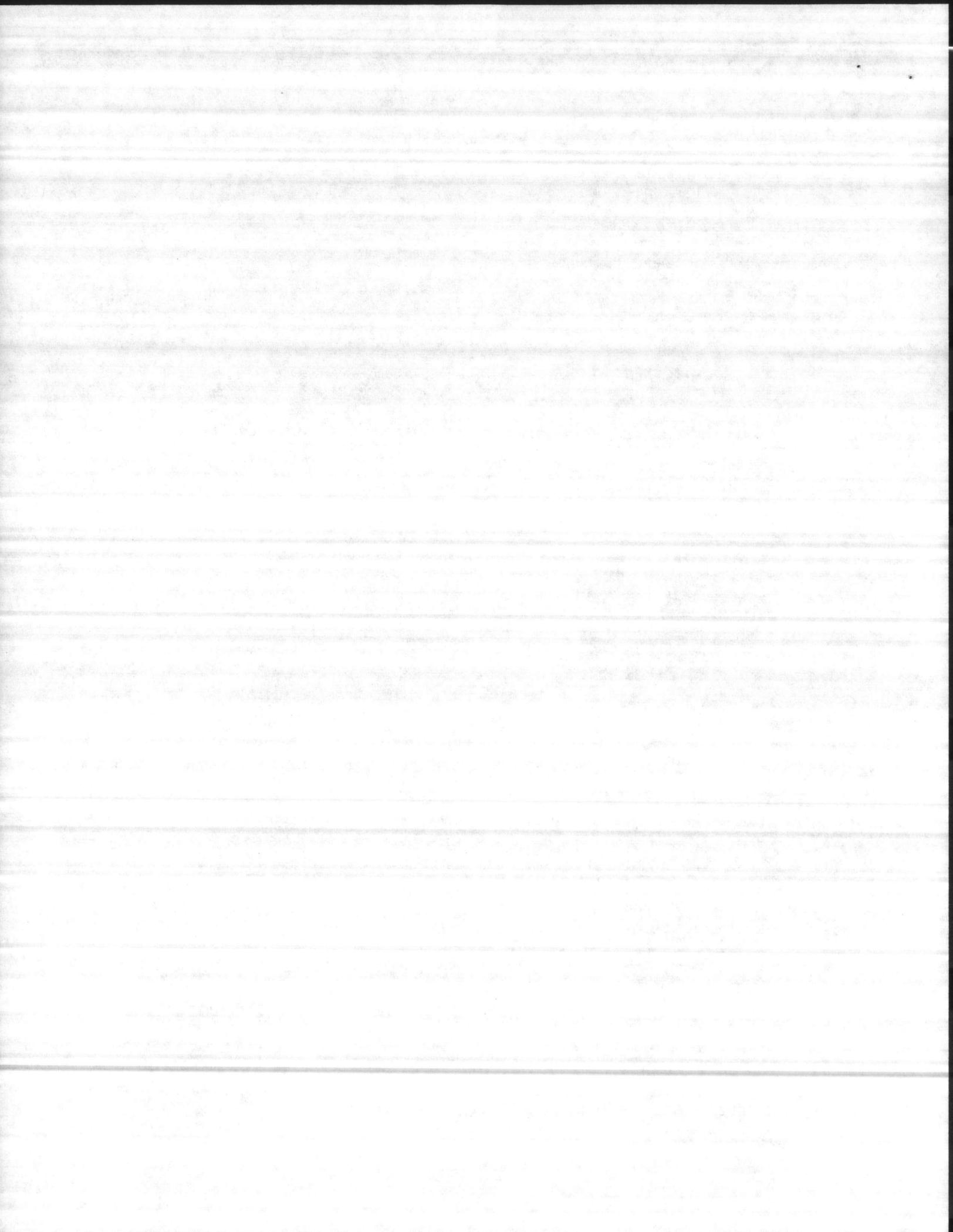
- Boston
- Chicago
- Miami
- New York
- Orlando
- Washington, D.C.

QUICK & EASY POCKET MAPS

A unique concept in pocket maps. Quick & Easy is laminated with clear mylar to withstand hard use. Special accordion fold means users are just a quick flip from their destination. It's also exceptionally easy to fold!

- Manhattan
- Central Boston/Cambridge
- Westchester County Roads





New

PROGRESS FOR 75 YEARS

STATE ROAD ATLASES

Created with the latest computer technology.

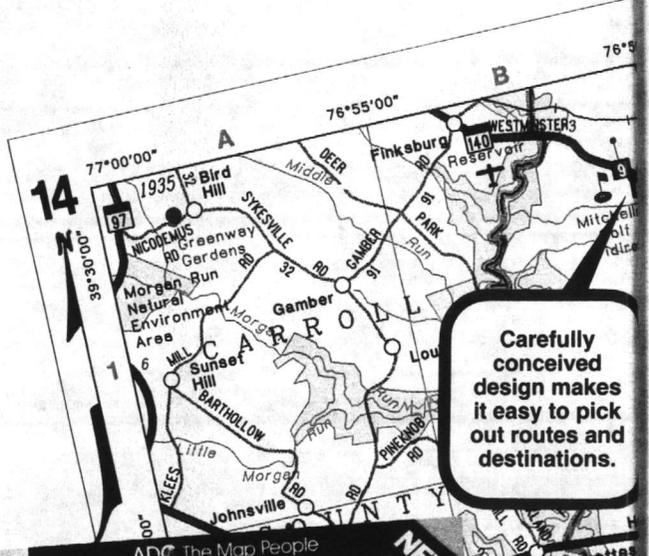
WHETHER YOU'RE GOING around the corner or across the state, our new state atlases will show you the way. The atlases feature accurate, up-to-date maps that show all interstates, expressways, parkways, through routes, and major local roads.

Maps are large scale for easy reading, whether you're at home planning a trip or you're cruising down the highway. The large scale also allows the inclusion of plenty of added information. You'll find points of interest, parks, scenic routes, and much more. Maps contain a level of information not possible on conventionally-scaled road maps.

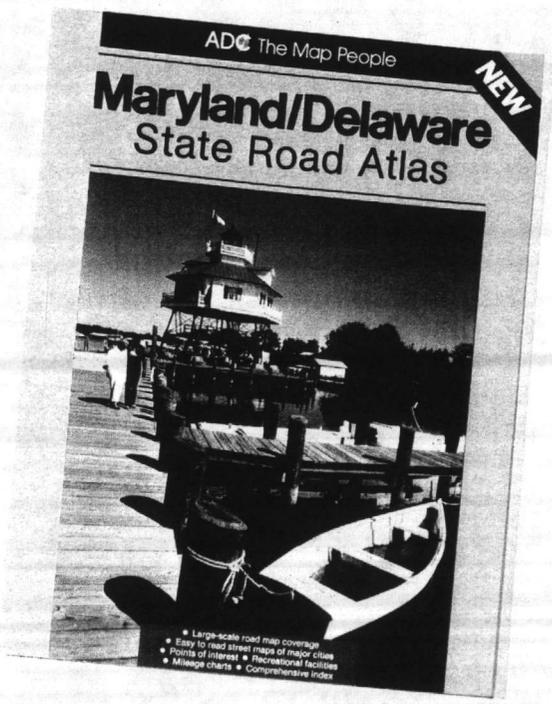
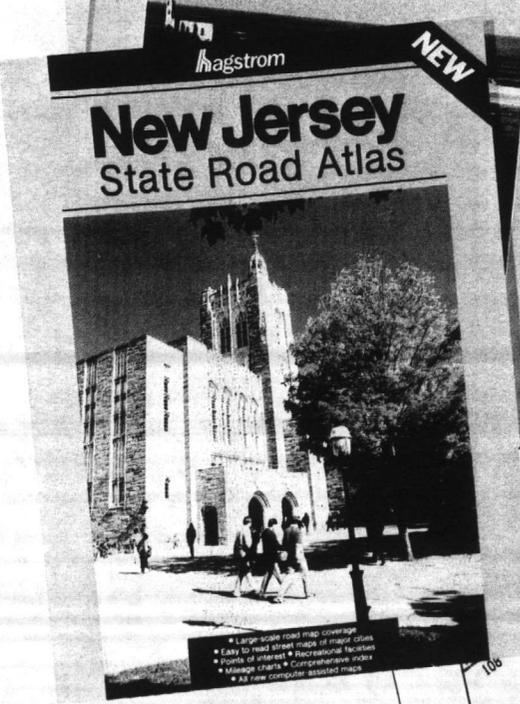
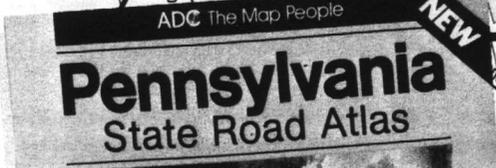
Like all Hagstrom atlases, the maps in these new atlases are continuous from page to page, so it's easy to follow your route on long trips. And our comprehensive index makes it simple to locate your destination.

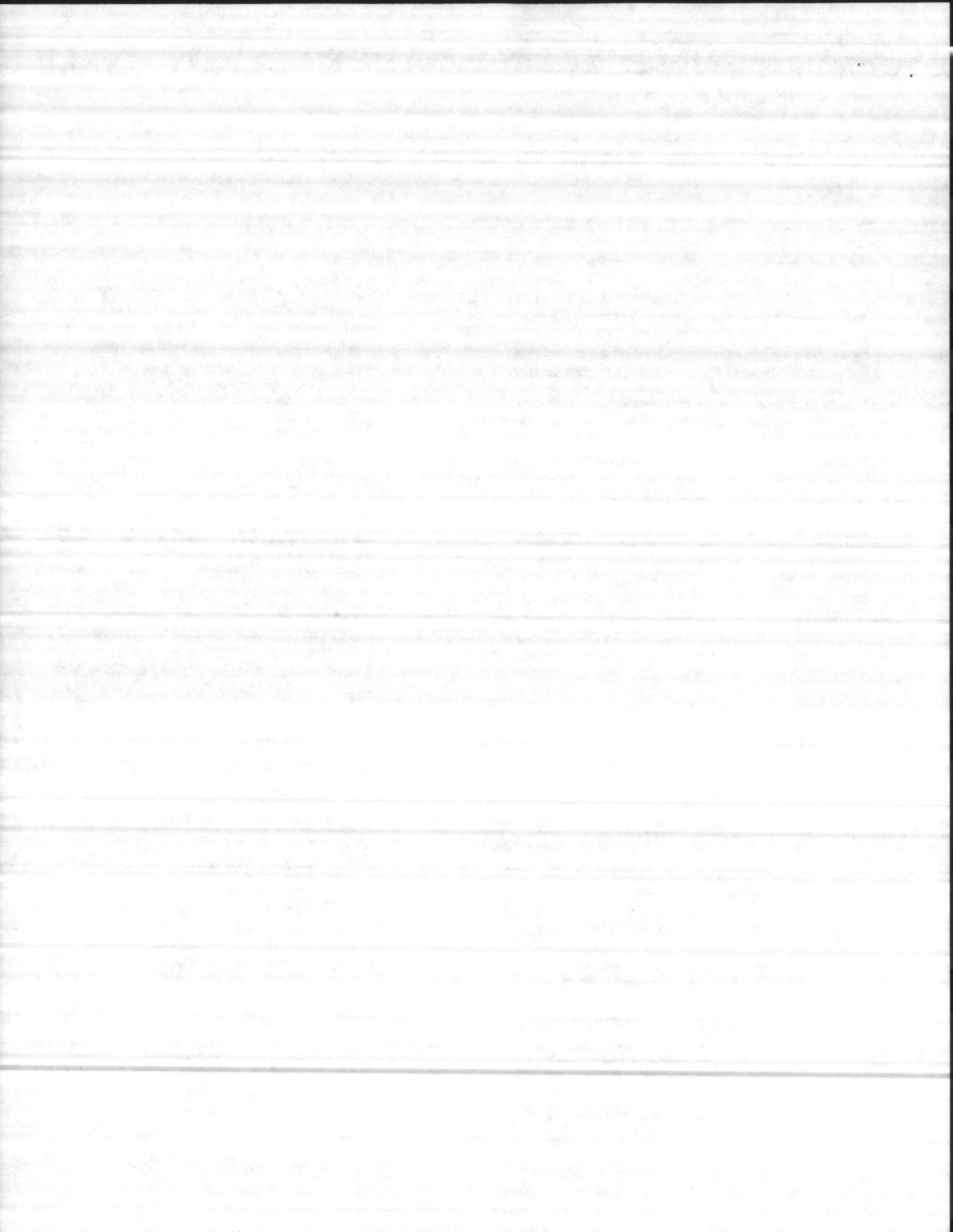
The atlases also offer carefully prepared introductions. These focus attention on points of particular interest within the states, tourist destinations, and more.

New York • New Jersey
Pennsylvania • Maryland-Delaware

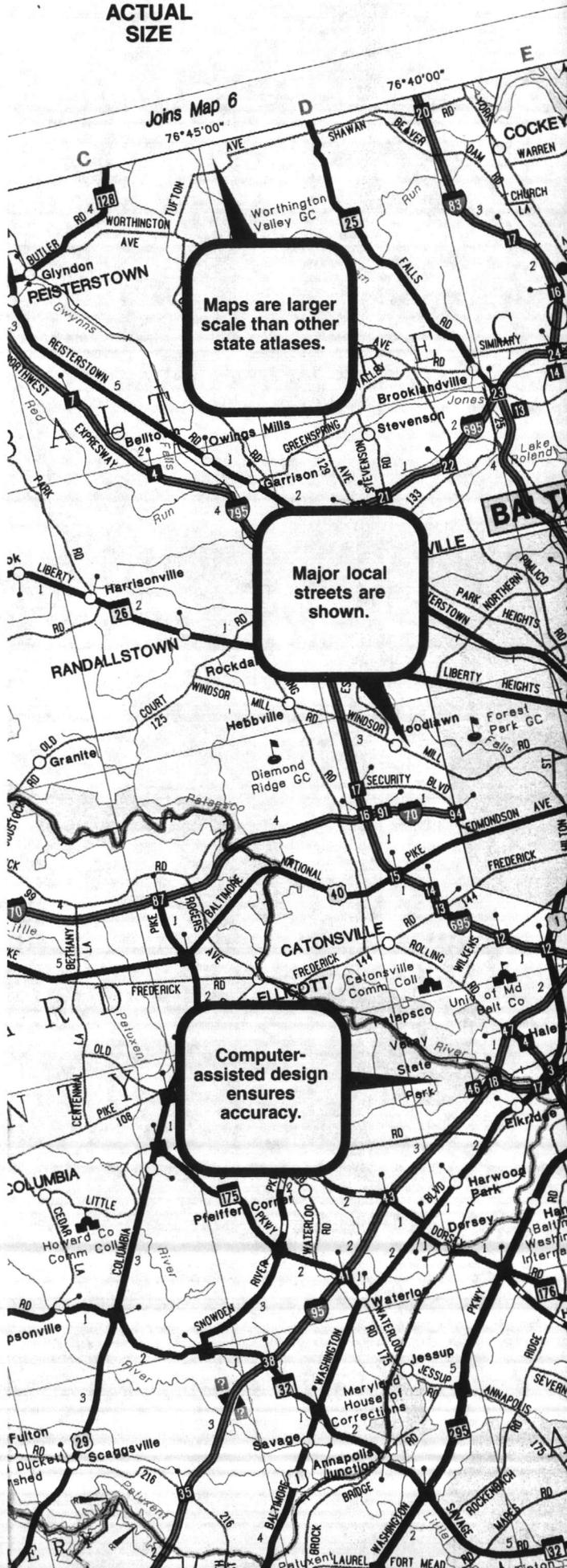


Carefully conceived design makes it easy to pick out routes and destinations.





SHOWN
ACTUAL
SIZE

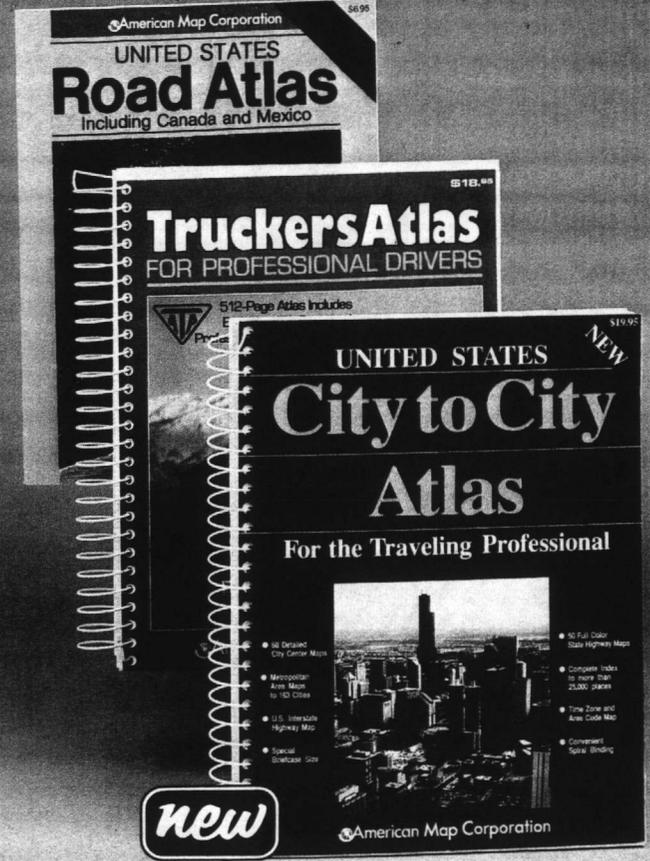


Maps are larger scale than other state atlases.

Major local streets are shown.

Computer-assisted design ensures accuracy.

NATIONAL ATLASES



THE UNITED STATES ROAD ATLAS, Including Canada and Mexico

The United States Road Atlas is designed to move. Its convenient size makes it easy to display in stores; easy to handle on the road. Inside, the atlas is packed with large-scale, clear, accurate maps. Maps of major metro areas and guides to scenic routes and tourist destinations are also included. It's a combination that makes the United States Road Atlas the fastest growing atlas on the road.

Approximately 242 pages, perfect bound, 8½" × 11"

THE TRUCKERS ATLAS

The only atlas recommended by the American Trucking Association. From the clearest, most accurate state and metro-area maps to precise reference information, the Truckers Atlas is everything professional drivers need to keep a big rig rolling. The atlas includes details for all U.S. interstates, state highways, through routes, as well as many back roads and city streets.

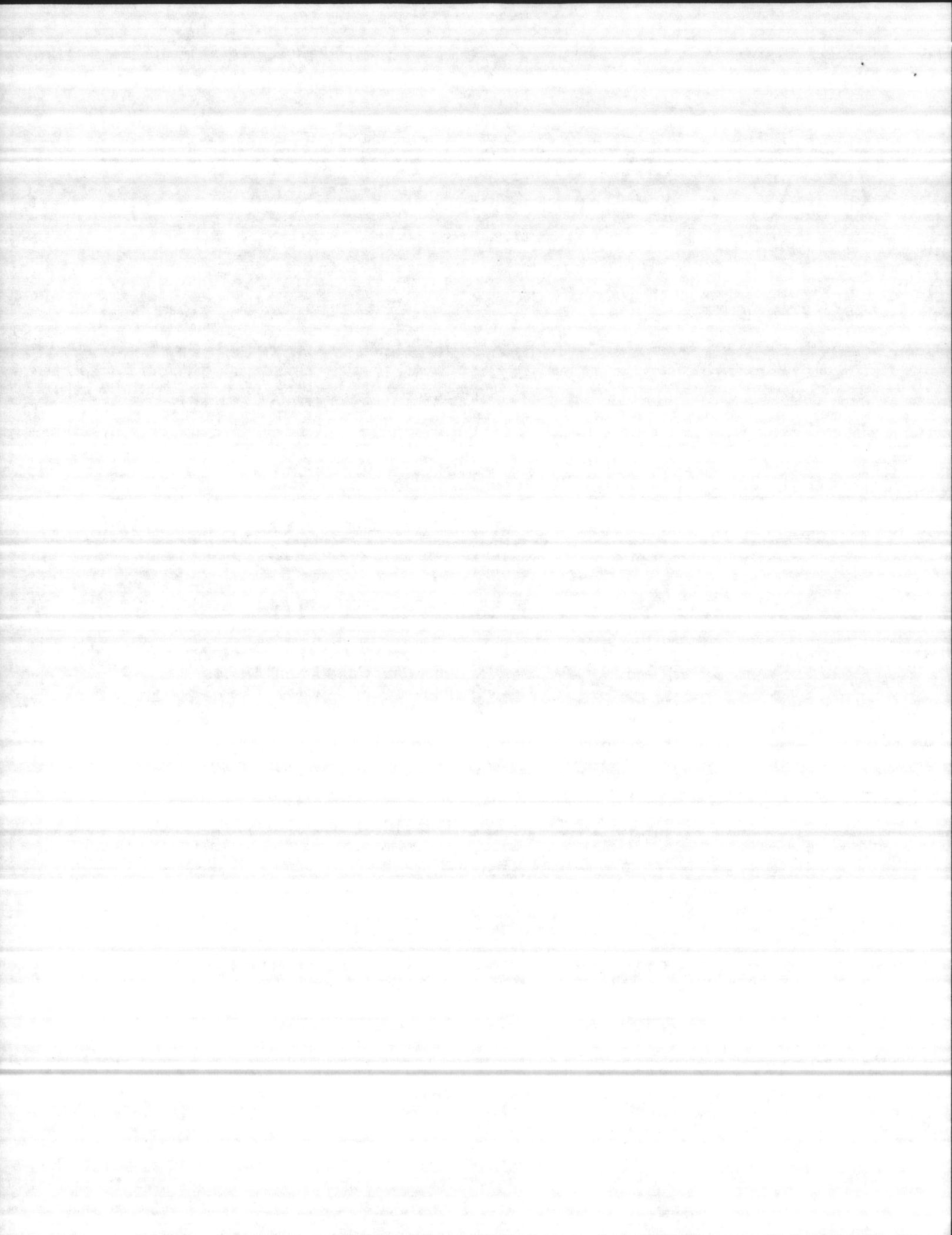
Approximately 516 pages, spiral bound, 8½" × 11"

THE CITY TO CITY ATLAS

The first atlas designed specifically for the traveling professional. It offers maps of practically all the U.S. cities where business awaits. 68 detailed city center maps. 163 metropolitan area maps. Plus road maps of all 50 states, Canada, and Mexico. It provides all the detail necessary to pinpoint hotel locations, conference centers, or restaurants. And its compact "briefcase" size makes it easy to carry on the road.

Approximately 352 pages, spiral bound, 8½" × 11"





WALL MAPS • ROLLED MAPS

HAGSTROM LAMINATED WALL MAPS

For Office, Home, School....

Full-color, large-format street and road maps. These practical, attractive maps have a place in a wide variety of settings.

Police and fire departments, taxi and limousine services, trucking companies, and emergency medical services and ambulance dispatchers all rely on Hagstrom Wall Maps. Businesses use Hagstrom Wall Maps to designate sales territories and plan distribution routes. And schools use Hagstrom Wall Maps to teach students about local geography.

These beautiful maps contain an incredible amount of information. They include hospitals, schools, parks, historic sites, and points of interest. But the main focus of these maps is the road network. The maps feature the same attention to detail and accuracy that make our pocket maps and street atlases the unmatched best-sellers.

All maps are laminated on both sides with clear mylar. A variety of mounting styles are available. See order form for complete details.

Bronx
Brooklyn
Long Island Road
Manhattan
Queens

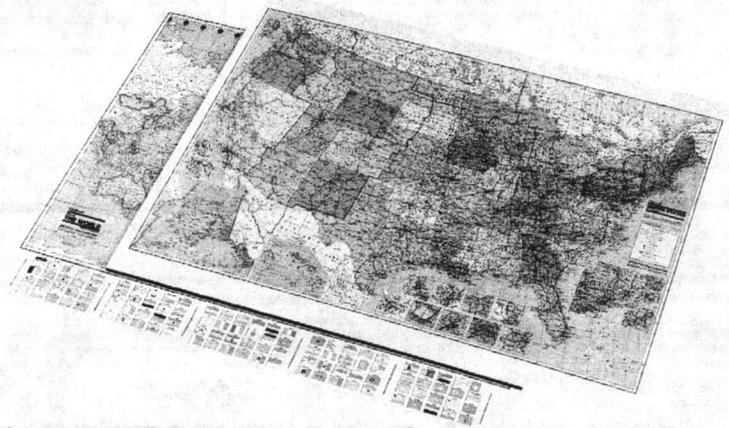
Staten Island
5-Boro
Nassau County
Northern New Jersey
Southern New Jersey

Western Suffolk County
Westchester County
50-Mile Radius (from NYC)
75-Mile Radius (from NYC)



FULL SIZE: 46" x 64"

FULL-COLOR POLITICAL WALL MAPS



U.S. AND WORLD WALL MAPS

Our most popular wall maps. These are beautiful, full-color maps that show political boundaries, capitals and major cities. Maps are giant 50" x 38".

Available in a variety of formats. Rolled maps can be ordered laminated or plain paper. Paper maps are also available folded in a handsome polybag.

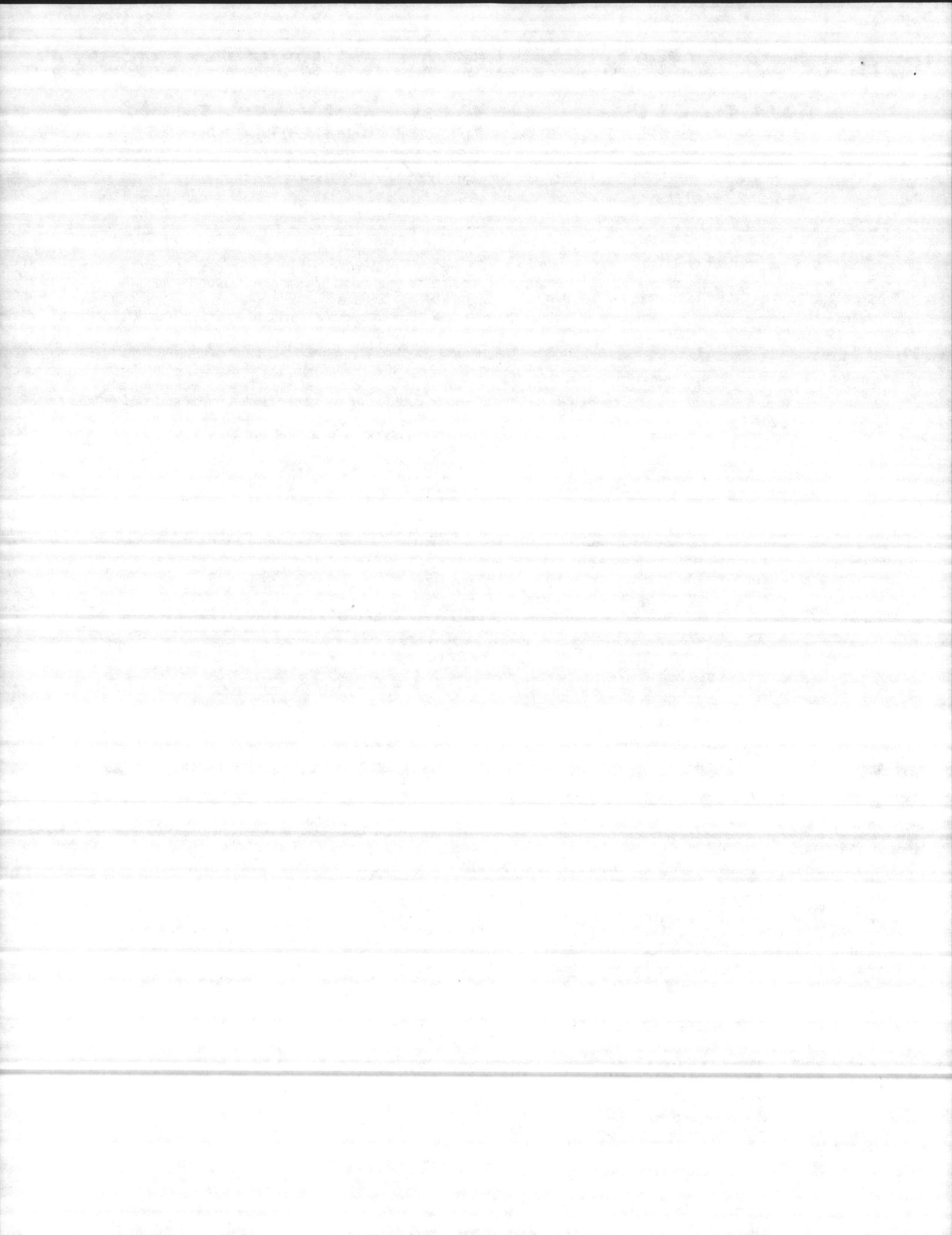


FREE DISPLAYS!

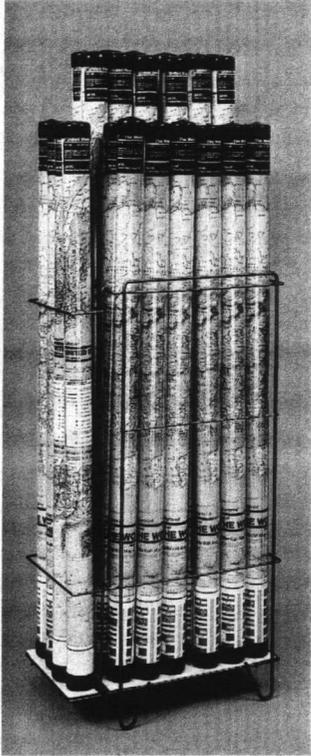
Displays fit into just 1 square foot of floor space, but the profits they generate are big league.

Paper: Display holds 36 maps

Laminated: Display holds 24 maps

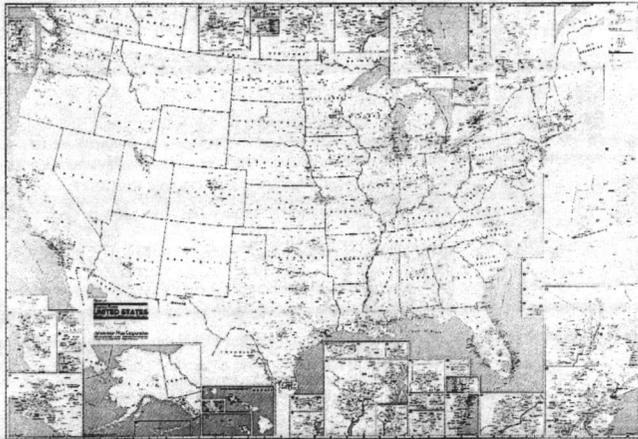


COLORPRINT POLITICAL MAPS



It's a new concept in maps. Giant 50" x 38" full color beauties in sturdy tubes that make them easy to display and easy to carry. The maps come laminated, which makes them durable and markable. They are suitable for framing, or purchasers can hang the maps. Perfect for school, home, and office use.

*Sizes vary slightly from map to map.



CLEARTYPE BUSINESS MAPS

Cleartype Business Maps strip away unnecessary detail so business people can focus on the essentials. These are black and white outline maps with information such as populations of cities and towns, county names and outlines, and zip codes. Maps vary in size, information provided, and area of coverage.

Hundreds of Cleartype Maps are available.

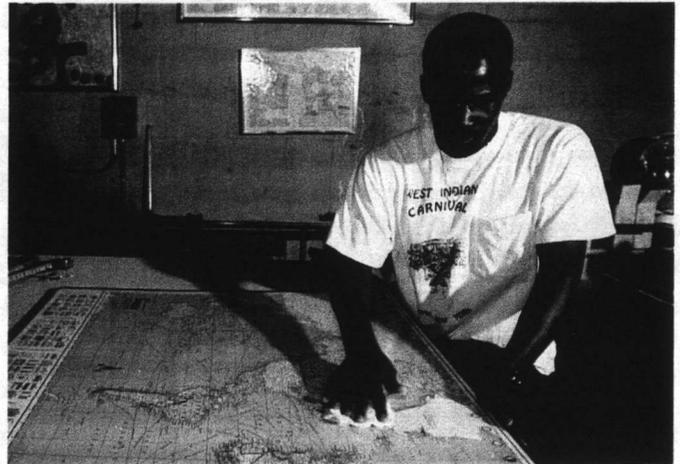
**For catalog and price list,
call toll-free 1-800-432-MAPS.**

MOUNTING AND FRAMING

MOUNTING

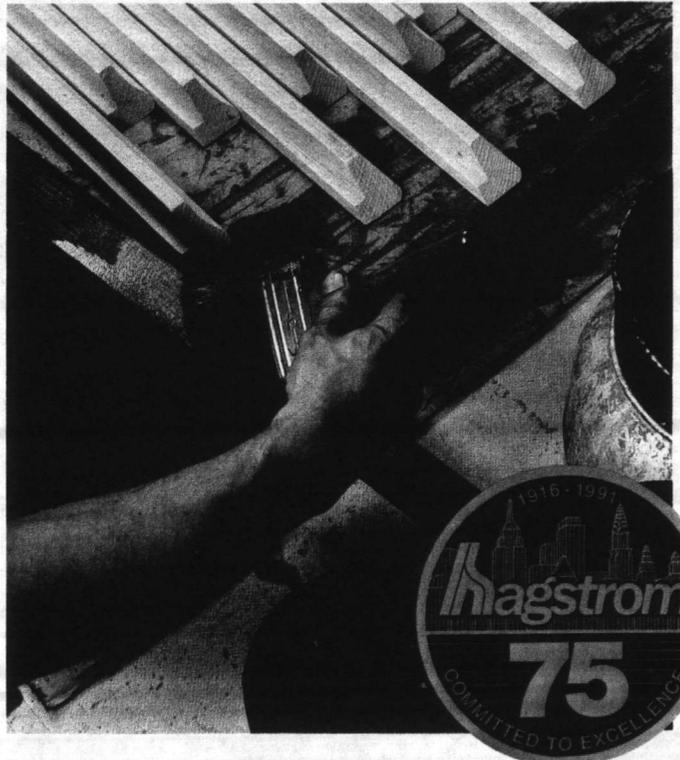
We offer a variety of mountings to satisfy the diverse needs of users. Spring roller cases give immediate access to the maps, yet leave wall space available for other uses when the maps are not needed.

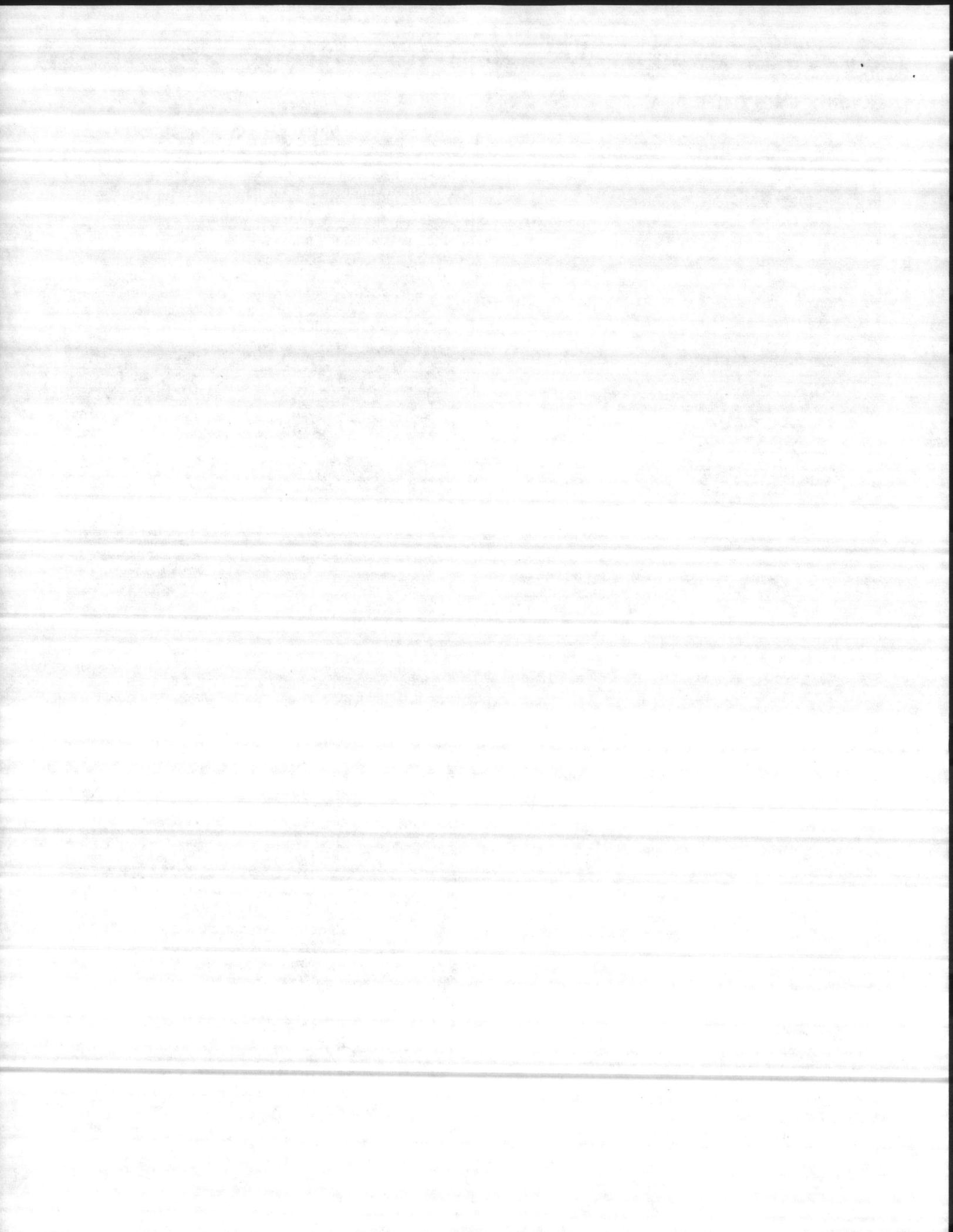
With board mounting, the map is pinnable, an option many business executives utilize for marking information on the map. Whether you select board mounting or the spring roller case, the map surface is laminated, adding durability and markability to the map.



FRAMING

From traditional to modern settings, we offer frames to fit the decor. Select from handsome walnut finished wood or stylish metal frames. Our framed maps are equally at home in corporate conference rooms and the family room.





STATE AND CITY ROAD MAPS



STATE MAPS

Alabama
Alaska (Southern)
Arizona
Arkansas
California
Colorado
Connecticut
Delaware/Maryland
Florida
Georgia
Hawaii
Idaho/Montana
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland/Delaware
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North & South Carolina
North & South Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rhode Island
Tennessee/Kentucky
Texas
Utah
Vermont/Maine/NH
Virginia
Washington
West Virginia
Wisconsin
Wyoming

CITY MAPS (BY STATE)

Alabama
Birmingham
Montgomery

Arizona
Phoenix
Tucson

Arkansas
Little Rock

California
Contra Costa Co. West
Fresno
Long Beach & S. LA
Los Angeles Freeway
Los Angeles, Hollywood
Marin County (Southern)
Oakland & E. Bay Cities
Orange County
Riverside
Sacramento
San Bernardino
San Diego
San Fernando Valley
San Francisco (Northern Peninsula)
San Francisco Peninsula (Central)
San Gabriel Valley
San Jose & S. Bay Cities
Stockton

Colorado
Colorado Springs
Denver

Connecticut
Bridgeport & Vicinity
Greater Hartford
Litchfield-Torrington
New London/Groton/Norwich
Norwalk/Darien/New Canaan

Delaware
Greater Wilmington

District of Columbia
Washington Visitors Map
Washington D.C. & Vicinity

Florida
Daytona Beach/Volusia
Florida Keys
Fort Lauderdale/Broward
Jacksonville/Duval Cty.
Kissimmee/St. Cloud/Osceola Cty.
Miami/Dade Cty.
Naples
Ocala/Marion Cty.
Orlando/Orange County
Palm Beach Cty./West Palm

Sarasota
St. Petersburg
Tampa/Hillsborough

Georgia
Atlanta Visitors Map
Augusta
Savannah

Idaho
Pocatello

Illinois
Chicago Metro
Chicago Streets
Joliet & Vicinity

Indiana
Indianapolis

Iowa
Des Moines

Kentucky
Louisville

Louisiana
New Orleans

Maryland
Annapolis Visitors
Baltimore Visitors

Massachusetts
Boston Red Map
Boston Souvenir Map
Boston Transit
Greater Springfield
Greater Worcester

Michigan
Detroit

Minnesota
Minneapolis/St. Paul

Mississippi
Jackson

Missouri
Kansas City
Springfield
St. Louis (Greater)

Nebraska
Omaha/Council Bluffs

New Mexico
Albuquerque/Santa Fe

Nevada
Las Vegas
Reno

New York
Albany & Capital District
Bronx

Brooklyn
Buffalo
Long Island Roads
Manhattan
Manhattan Bus Routes
NYC 5-in-1 Souvenir
NYC Subways
Queens
Staten Island
Syracuse (Greater)

North Carolina
Burlington
Charlotte
Durham
Fayetteville
Greensboro & Vicinity
Lumberton
Raleigh
Rocky Mount
Wilmington
Winston-Salem

Ohio
Akron
Canton
Cincinnati
Cleveland
Columbus
Dayton
Fairfield/Middletown
Portsmouth & Scioto Cty.
Sandusky & Erie Cty.
Toledo
Youngstown
Zanesville & Mudingum Cty.

Oklahoma
Oklahoma City/Tulsa

Oregon
Portland
Salem

Pennsylvania
Allentown/Bethlehem
Erie
Harrisburg & Vicinity
Lancaster
Pittsburgh
Philadelphia/Camden
Reading/Berks Cty.
Greater Scranton
Wilkes-Barre

Rhode Island
Newport
Providence

South Carolina
Anderson
Columbia
Florence
Grand Strand/Myrtle Beach
Greenville
Hilton Head
Spartanburg/Spartanburg Cty.
Walterboro

Tennessee
Chattanooga & Hamilton Cty.
Clarksville & Montgomery Cty.
Memphis
Nashville

Texas
Austin
Corpus Christi
Dallas
El Paso
Fort Worth
Galveston
Houston
San Antonio

Utah
Salt Lake City/Ogden

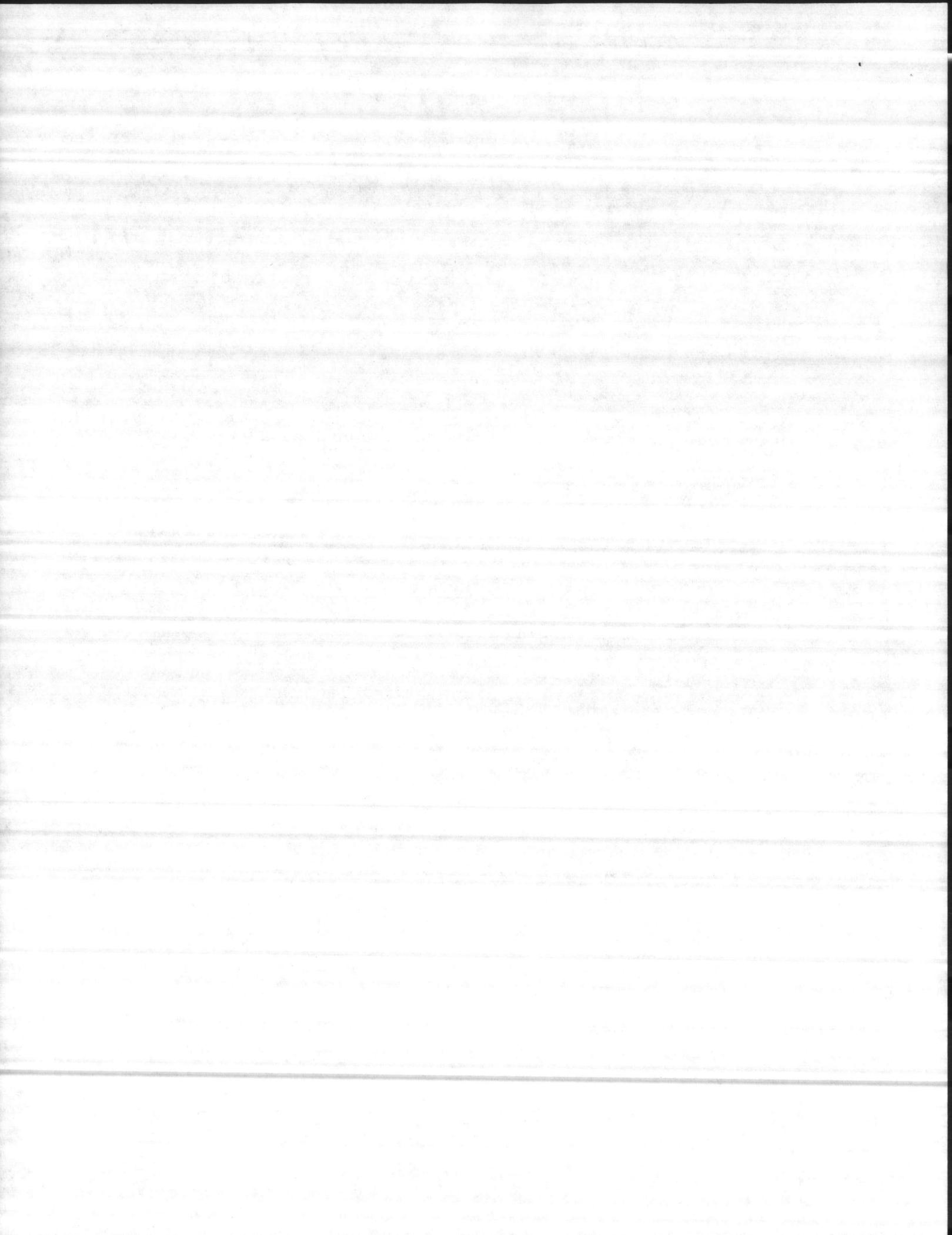
Virginia
Arlington Cty.
Hampton/Newport News
Norfolk/Virginia Beach
Richmond
Roanoke & Roanoke Cty.
Williamsburg Visitors Map

Washington
Seattle
Spokane
Tacoma

West Virginia
Clarksburg
Charleston
Huntington, Cabell & Wayne Cty.
Parkersburg

Wisconsin
Milwaukee

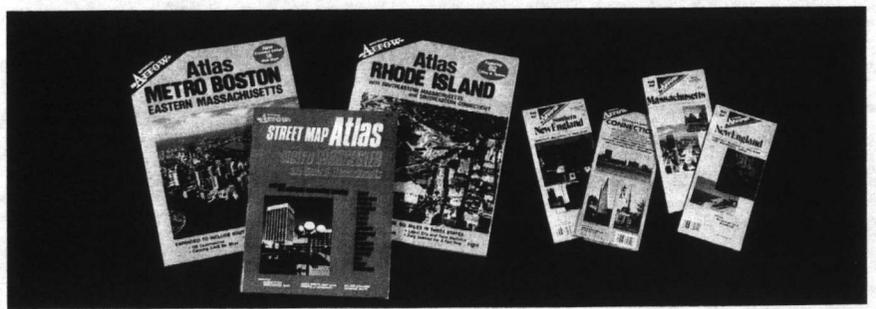
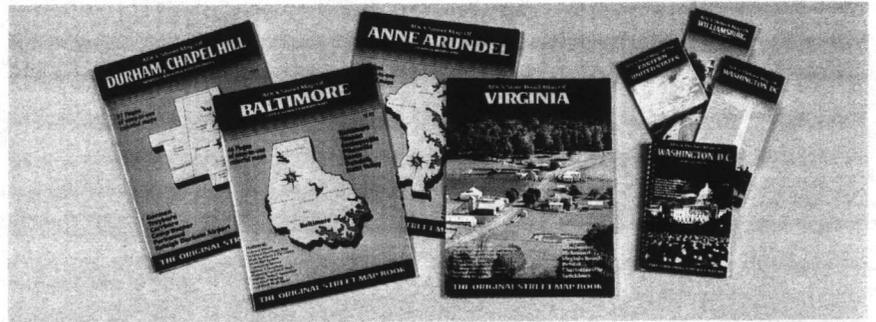
Canada/Puerto Rico
Ontario
Quebec/Atlantic Provinces
Puerto Rico



THE LANGENSCHIEDT PUBLISHING GROUP

ADC "THE MAP PEOPLE"

In the Mid-Atlantic, ADC's large-scale, colorful, accurate, and up-to-date publications have become the authoritative references for business, government, recreational, and tourist map users. Thousands of revisions are made in these maps every year to ensure their timeliness and accuracy.



CREATIVE SALES/AMERICAN MAP

Creative Sales publishes atlases, street maps, and wall maps that are renowned in Chicago and throughout the Mid-West. And its national road atlases are earning the same reputation for quality, comprehensiveness, and accuracy.

TRAKKER/NATIONWIDE

In Florida, America's No. 1 vacationland, Trakker maps are the No. 1 map brand. Trakker's complete line of pocket maps and atlases covers the state from Jacksonville and the panhandle to Miami and the Keys.

ARROW MAP, INC.

In New England, the shortest distance between two points is an Arrow. Whether you're in Boston to do business or vacationing on the Maine seashore, Arrow maps will help you find your way.

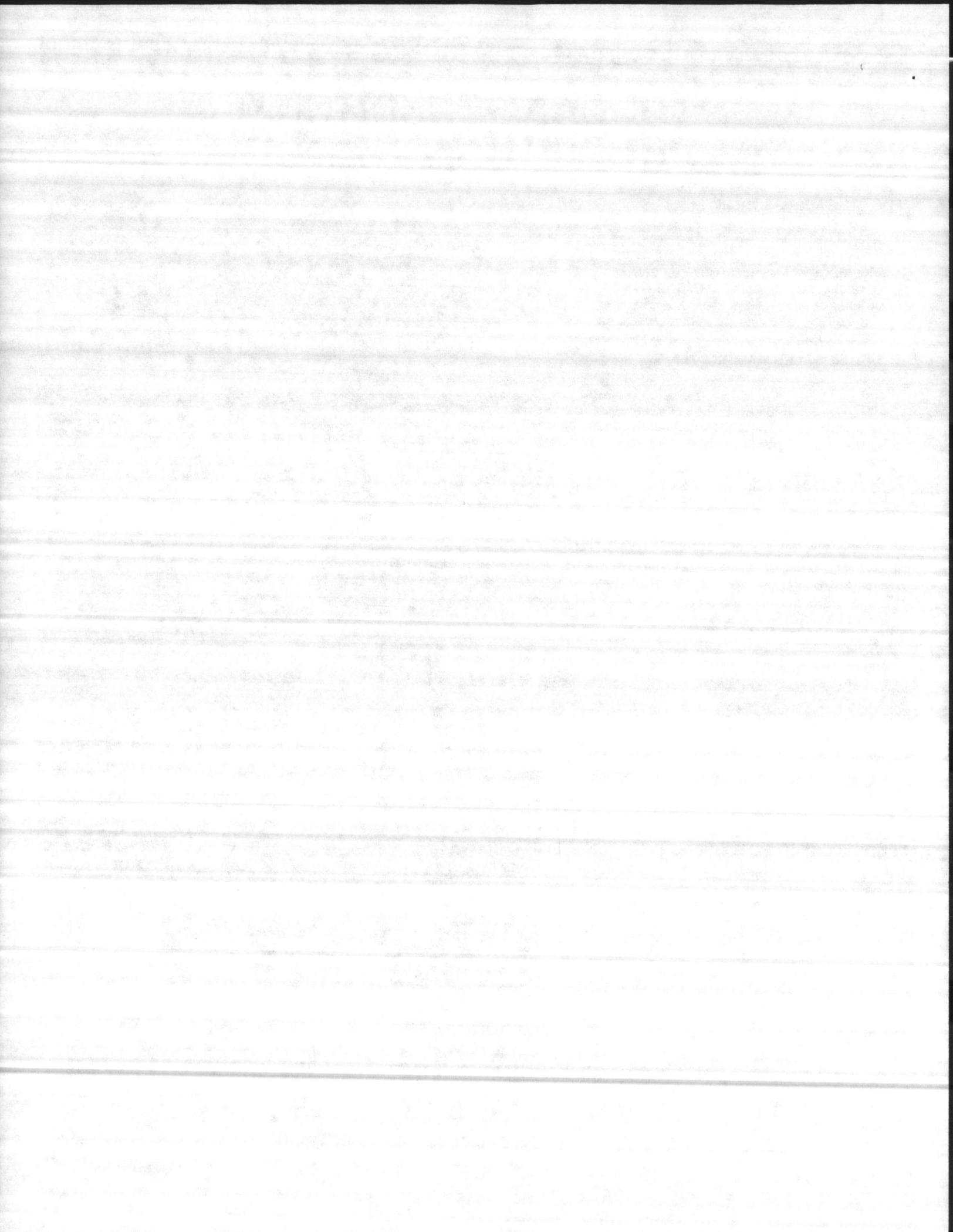
LANGENSCHIEDT PUBLISHERS, INC.

Bilingual Dictionaries

The most complete, bestselling line of bilingual dictionaries in the world. From Lilliput, the world's smallest dictionary to the four-volume Muret-Sanders Encyclopedic Dictionary, Langenscheidt offers a variety of sizes, prices, and languages to satisfy all manner of students, travelers, and business people.

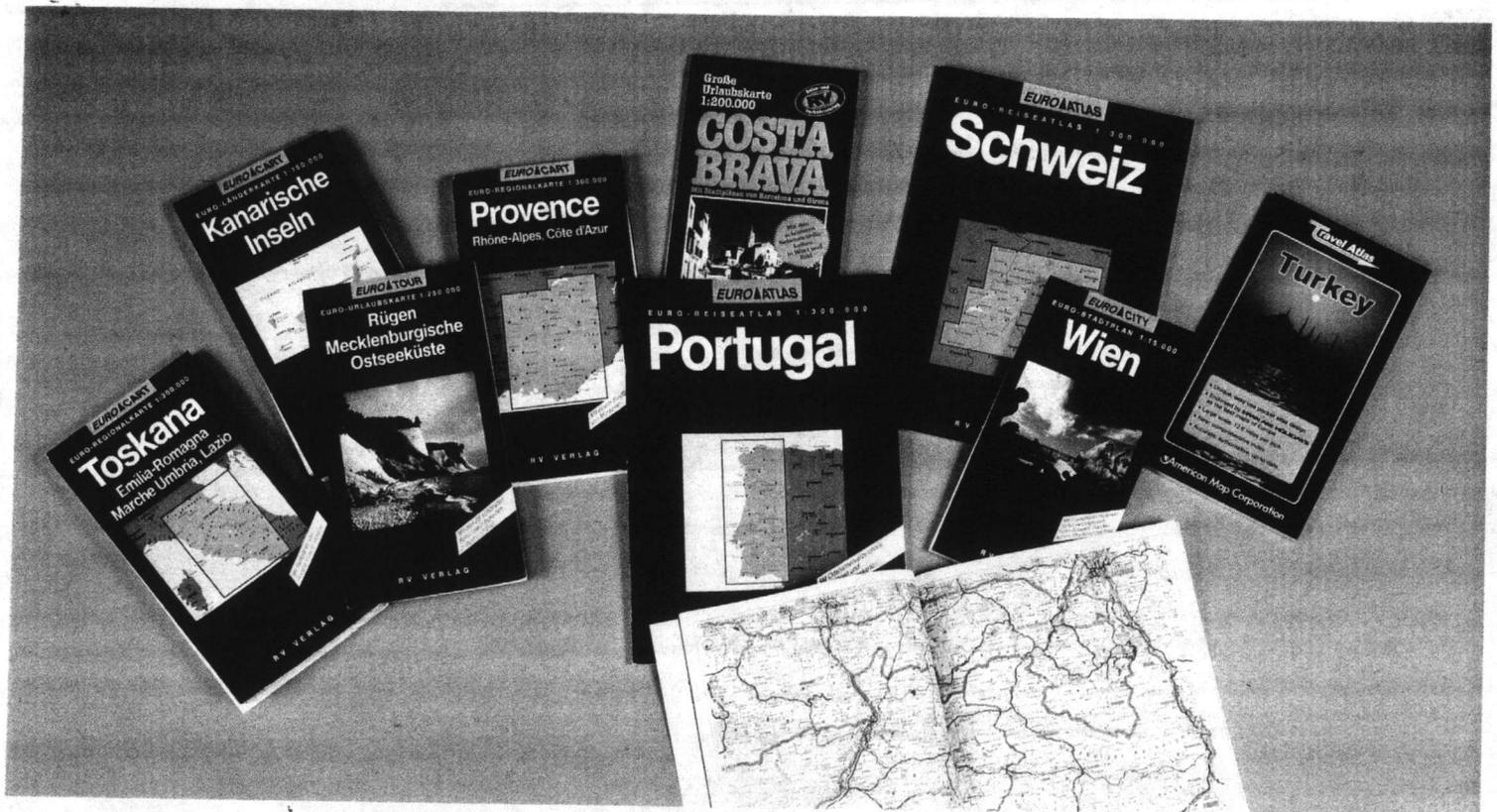
Travel Products

Our Self-Guided Travel Guides give tourists the freedom to arrange their own trips, to get away from tour guides and tour groups. And, to make communication in foreign lands easier, we offer a variety of language aids: the Survival Series phrase books, Jiffy Phrasebooks and Travel Packs, and Quick & Easy Cassette Packs.



AMERICAN MAP CORPORATION

New for 1991 • A New Line of Euro Maps



TAKE AN AMERICAN MAP WITH YOU WHEN YOU HIT THE ROADS OF EUROPE.

WITH OUR NEW LINE, travelers have the widest possible choice. Select from hard-cover atlases and easy-to-carry pocket maps. Pick from maps that cover broad regions of the continent or city maps that will guide users through every narrow passage. We cover all the most popular vacation spots as well as many off-the-beaten path destinations.

Whatever the selection, our maps make for easy travel. Scales are consistent, which makes it simple to compare distances between various points.

ATLASES

The perfect choice when you have a lot of ground to cover. The large size, 8½"×11", makes them easy to read. Our atlases detail countries and regions, including all major roads and points of interest. Maps are continuous from page to page, an arrangement that makes it easy to chart your progress as you drive. The atlases also feature detailed maps of important metropolitan areas.

THE TRAVEL ATLAS SERIES

A unique concept in maps. Pocket size makes them easy to carry. Large scale maps make them easy to read, even when driving on foreign roads. Generous overlapping of maps means your destination never drops off the edge of the page. The atlases show major roadways and points of interest. City insets show details of local streets. An index makes it simple to find destinations on the maps.

REGIONAL AND COUNTRY MAPS

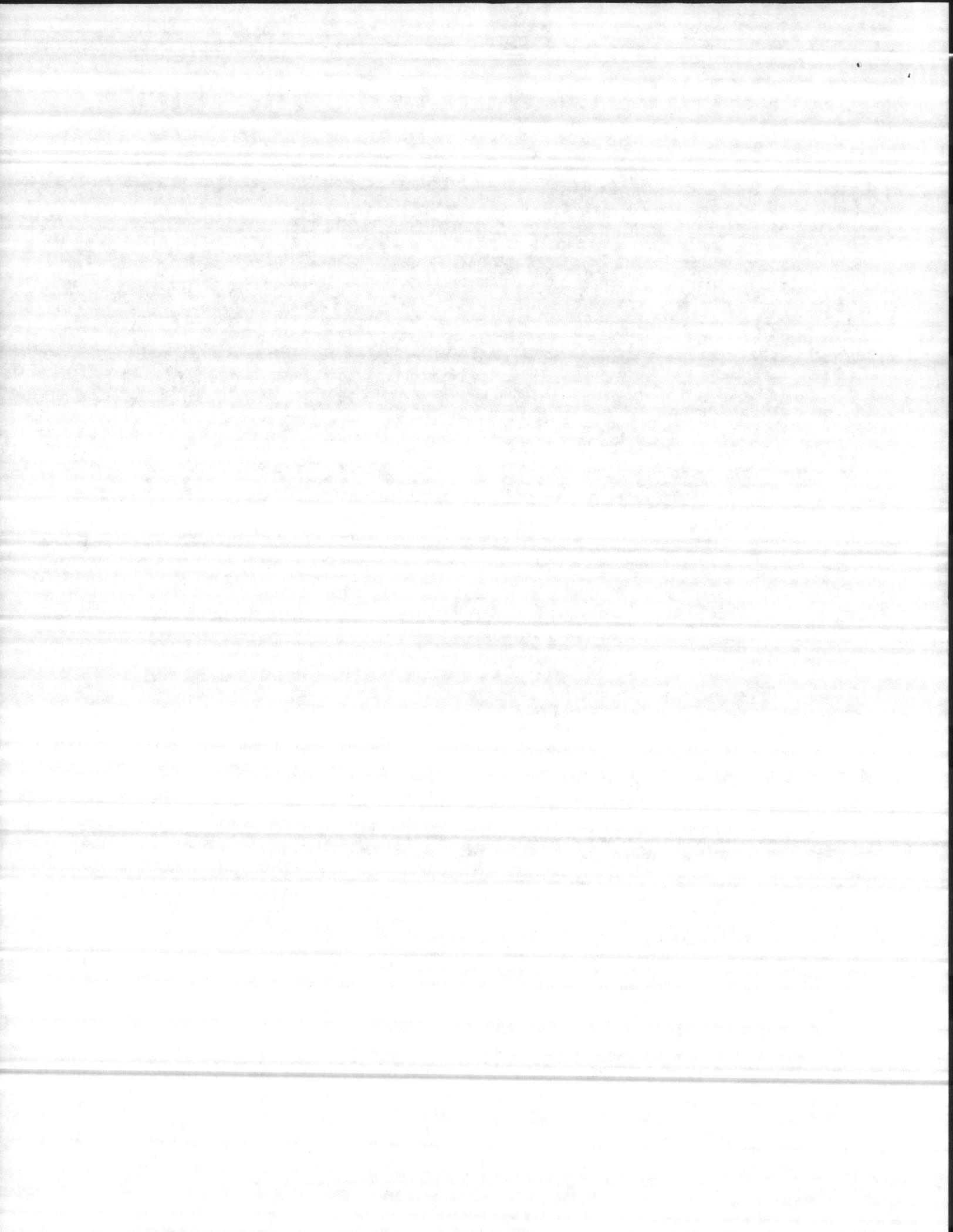
Our regional and country maps combine coverage of a broad area, large scale that makes them easy to read, and the convenience of a pocket-size format.

Euro Tour maps are designed particularly for tourists. Points of interest are highlighted on the maps. These points of interest are shown in color photos accompanied by descriptions that help travelers plan their itineraries. It's a map and tour guide in one.

Euro Cart maps provide wider coverage. Most maps of this type cover either a large region of a country or an entire country. In addition to the basic map, special inset maps of major cities are included that are detailed enough to show local streets.

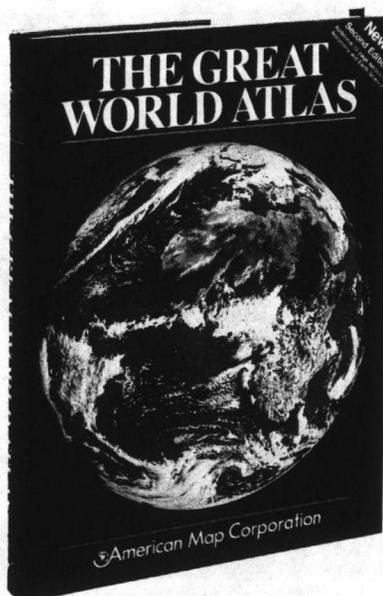
CITY MAPS

Everything you need to navigate city streets. Whether you are on foot or in a car, the exceptional detail and clarity of these maps lets you find your destination quickly and easily. In addition to city streets, major buildings, parks, and public transportation facilities are shown.



AMERICAN MAP CORPORATION

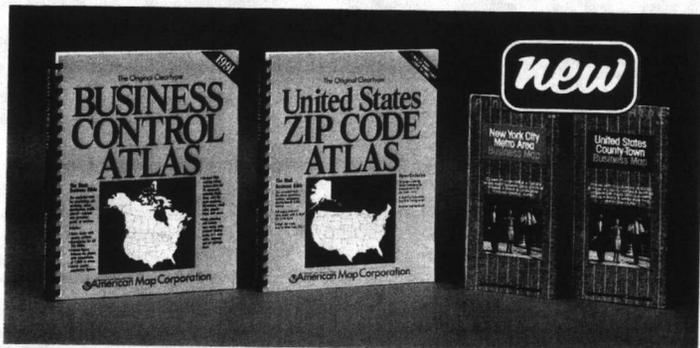
America's Source for Atlases



THE GREAT WORLD ATLAS

The Great World Atlas provides state-of-the-art cartography; 32 pages of breathtaking landscape satellite photographs; a variety of thematic maps on population, climate, and religion; and more. It's a work of beauty, quality, and value that is unmatched anywhere. Hardcover.

BUSINESS MAPS & ATLASES



PINSTRIP MAPS

Perfect for the business person who's on the go. We've taken our best-selling, full-size Cleartype Wall Maps and put them in a pocket size format. Seven titles are available showing different geographic areas and business information. Protective cover makes the maps exceptionally durable.

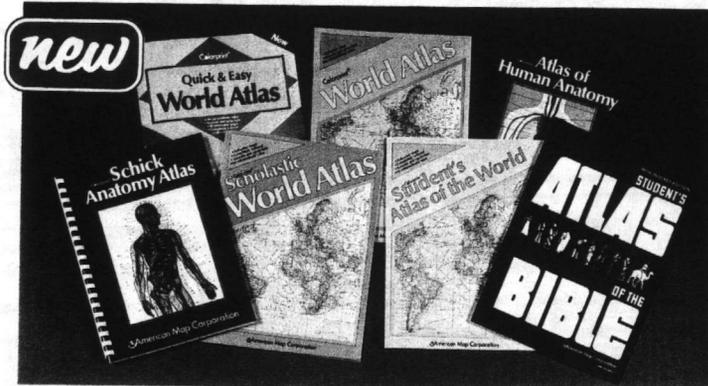
THE BUSINESS CONTROL ATLAS (BCA)

The BCA is the single most comprehensive source of basic marketing data for the US, Canada, and Puerto Rico. It offers outline maps that show county outlines and names, all cities and towns with populations of 1,000 and over, and MSA boundaries. Essential for anyone involved in marketing, advertising, sales, distribution, transportation, traffic control, and site evaluation.

UNITED STATES ZIP CODE ATLAS (ZCA)

An essential tool for anyone who does business by mail. The ZCA's two-color maps clearly designate 3-digit zip code areas. The detailed indexes specify the 5-digit zip codes for all places shown on the maps.

ECONOMY ATLASES



QUICK AND EASY WORLD ATLAS

A unique combination of comprehensiveness and value. This new atlas contains more maps, place names, and data than many high priced atlases, but at an economy atlas price. All the maps are completely up to date. A comprehensive index makes it easy to find exactly the information desired.

Heavy, laminated paper cover, 48 pages

SCHICK ANATOMY ATLAS

Features 30 charts, each with its own transparent nomenclature overlay. The charts identify and illustrate body parts. Laminated paper cover with comb-binding.

SCHOLASTIC WORLD ATLAS

Our best seller. The Scholastic World Atlas is a perennial favorite of students of all ages. The maps are clear, accurate, and in beautiful full color.

Paperbound, 48 pages

STUDENT'S WORLD ATLAS

16 pages of full color maps plus an 8-page index make this an outstanding value. The maps give users clear understanding of geography. Available in English and Spanish.

Paperbound, 24 pages

COLORPRINT WORLD ATLAS

The lowest priced of our economy atlases. This outstanding combination of value and quality provides 16 pages of full-color maps.

Paperbound, 16 pages

STUDENT'S ATLAS OF THE BIBLE

Breathes new life into the Old and New Testaments. Beautiful maps and illustrations show ancient kingdoms and the movements of biblical peoples. Available in English and Spanish.

Paperbound, 16 pages

ATLAS OF HUMAN ANATOMY

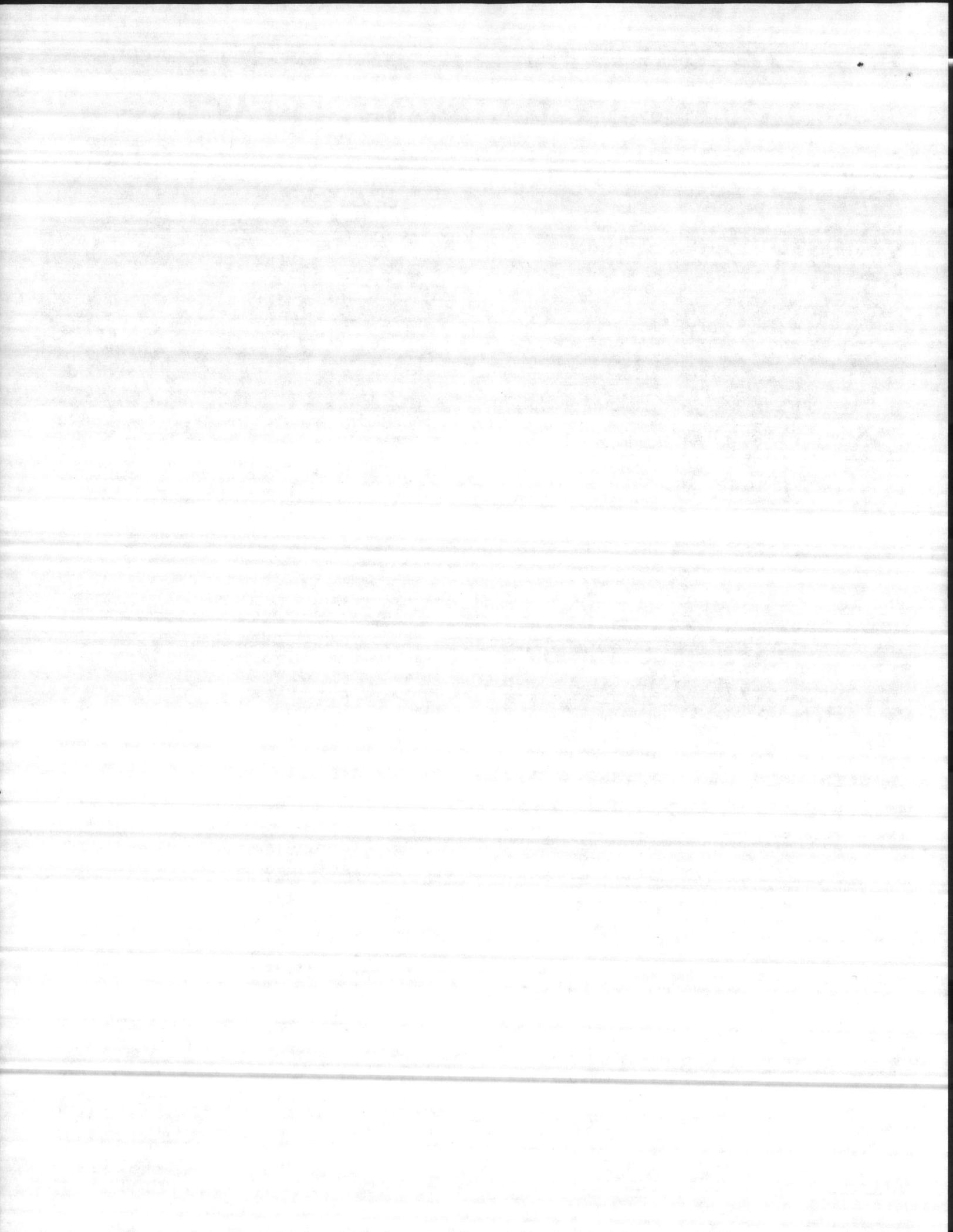
A perfect introduction to anatomy. Provides a quick, clear view of systems and organs. Available in English and Spanish.

Paperbound, 16 pages

STUBS

Invaluable guide to seating arrangements of major New York City theatres, stadiums, and arenas. Includes seating capacities and box office addresses and phone numbers.





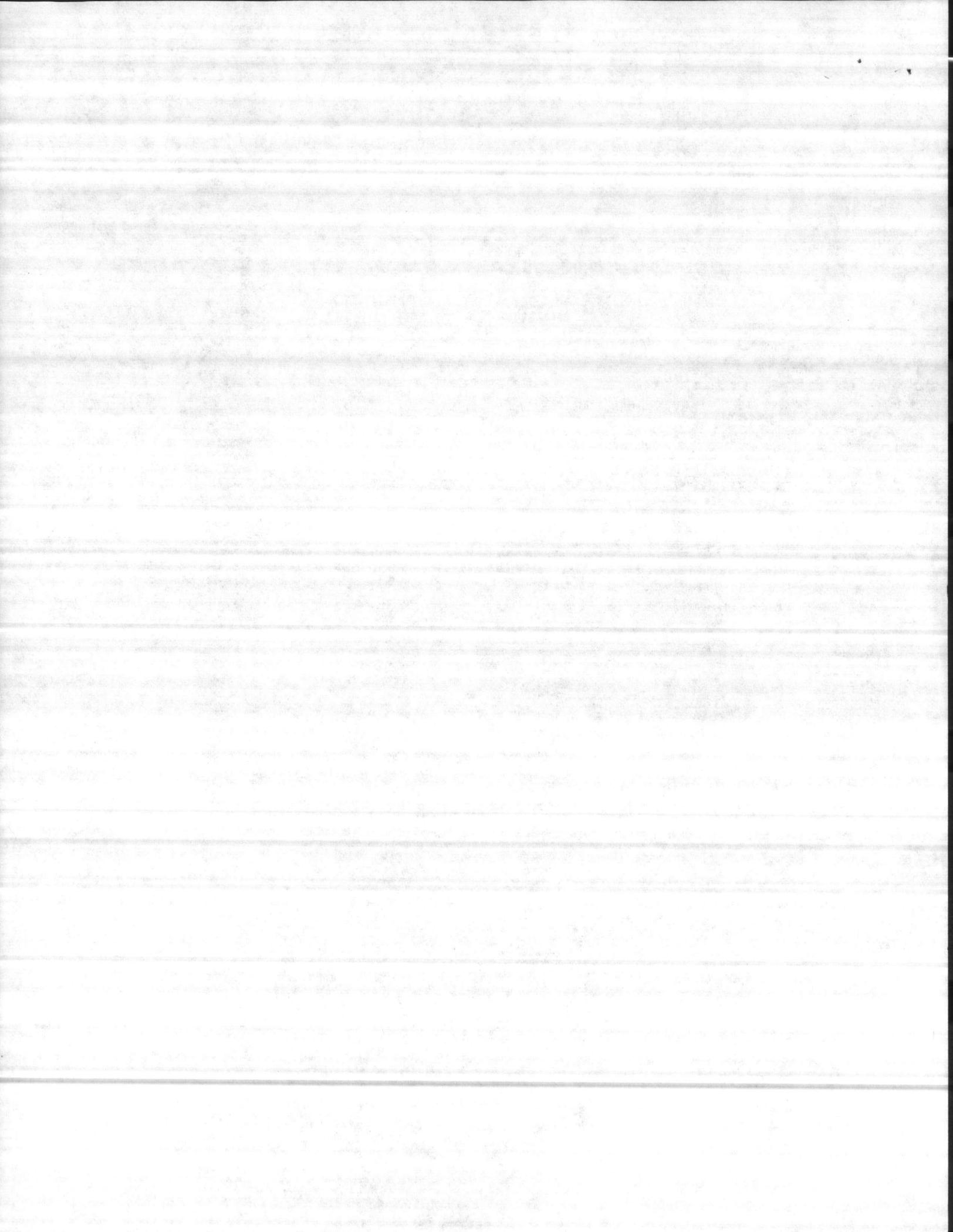


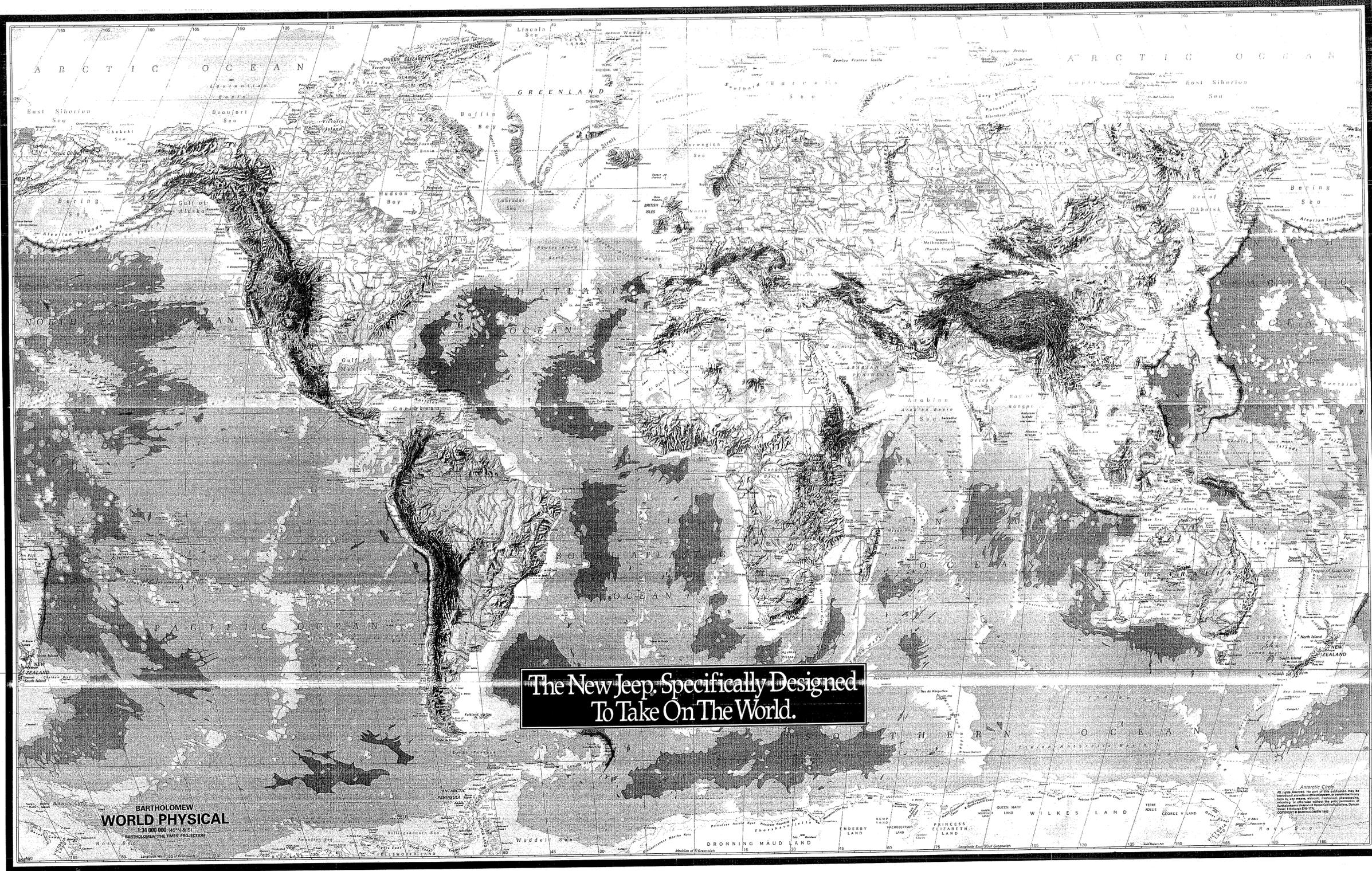
Hagstrom



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Toll Free Tel. Canada: (800) 263-0632 ● Fax: Montréal (514) 739-0085
Fax: Mississauga (416) 629-3938 ● Fax: Ottawa (613) 563-8730
MONTRÉAL, QUÉ. – 6805 boul. Décarie, H3W 3E4 (514) 739-3116
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