

DEPARTMENT OF COMMERCE

INFORMATION PRODUCT

**Directory of
CD-ROM Titles**



October 1995

U.S. DEPARTMENT OF COMMERCE
Office of the Secretary

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PREFACE

The Department of Commerce is pleased to present this fourth annual Directory of CD-ROM Titles, an information product designed for distribution to the public and private sectors. Many new titles have been added, and some existing titles are now available on a more frequent basis. While some CD-ROM titles have been developed for select audiences, such as universities or government entities, all are available to the general public. Many are published on recurring bases and are available by subscription.

This directory contains 163 CD-ROM titles. A list of bureaus and number of titles that each contributed in order to produce this edition is as follows:

Economics and Statistics Administration

■ Office of Business Analysis	2	titles
■ Bureau of the Census	37	titles
■ Bureau of Economic Analysis	2	titles

National Oceanic and Atmospheric Administration

61 titles

National Institute of Standards and Technology

■ Office of Standard Reference Data	18	titles
■ Crystal Data and Electron Diffraction Center	3	titles
■ Computer Systems Laboratory	26	titles
■ Building & Fire Research Laboratory	2	titles
■ Materials Science & Engineering Laboratory	1	title

U.S. Patent & Trademark Office

■ Office of Information Products Development	11	titles
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Additional information products are being developed to serve the public interest in receiving reliable and current economic, scientific, demographic, and technological data. We welcome your comments on this publication. Please address comments to: U.S. Department of Commerce; OSEC/OSTM Room 6066; 14th St. and Constitution Ave., N.W.; Washington, D.C. 20230.



RONALD P. HACK
Director
Office of Systems and
Telecommunications Management

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ECONOMICS AND STATISTICS ADMINISTRATION
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Office of Business Analysis

The following CD-ROMs are issued by the Office of Business Analysis. For more information or to order, write or call:

Office of Business Analysis
 Technical Assistance Center
 Room H4885
 U.S. Department of Commerce
 Washington, D.C. 20230
 (202) 482-1986
 (202) 482-2164 (FAX)

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
National Trade Data Bank	The best of foreign trade information from 17 government agencies. Information programs include: foreign trade statistics by commodity and country; international market research reports; how-to-guides; CIA <u>World Factbook</u> ; <u>U.S. Industrial Outlook</u> ; International Investment Data; foreign exchange rates; exports by state; export yellow pages and overseas trade contacts by country, product line, and size.	Monthly: about the 10th of each month. Single disc - \$35. 1 yr. subscription - \$360. Volume discount available.	Office of Business Analysis Technical Assistance Center DOC, Room H4885 Washington, D.C. 20230 (202) 482-1986 (202) 482-2164 FAX

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Office of Business Analysis

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
National Economic, Social, and Environmental Data Bank	Text and statistics focusing on the domestic U.S. economy, society, and the environment. Information programs include: summary data from 1990 Census of Population; business statistics; business cycle indicators; national income statistics; <u>Economic Report of the President</u> ; <u>Health Statistics. U.S.</u> ; <u>Digest of Education Statistics</u> ; <u>Toxics in the Community</u> ; New England economic indicators; airline on-time statistics; and average monthly weather statistics by location.	Quarterly. \$95 per single disc; \$360 annually. Volume discount available.	See above

ECONOMICS AND STATISTICS ADMINISTRATION
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Bureau of the Census

The following CD-ROMs are produced by the Bureau of the Census. The list begins with 1990 census products. Files issued before September 1993, may be available at a discounted price not reflected below. To order or for more information about these files, earlier files not listed here, or files on computer tape that can be transferred to CD-ROMs, write or call:

Customer Services
 Bureau of the Census
 Washington, D.C. 20233-0800
 (301) 457-4100
 (301) 457-4714 (FAX)

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
P.L. 94-171 Data	1990 Census data used in legislative redistricting, includes population statistics based on short-form questionnaire and housing unit counts for states and subareas to block level.	\$150 per disc. Entire country on 10 discs for \$1,000.	Customer Services Bureau of the Census Washington, D.C. 20233 (301) 457-4100 (301) 457-4714 FAX
1990 Census Summary Tape File (STF) 1A	100-percent population and housing statistics for states and their hierarchial sequence shown to block level, such subjects as: age, race, sex, marital status, housing units, rent, and units in structure.	\$150 per disc. Entire country on 17 discs for \$1,700.	See above
1990 STF 1B Extract	100-percent statistics for census blocks. It contains less subject detail than 1A.	One state or group of states per disc. \$150 per disc. Entire country on 10 discs for \$1,000.	See above

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Bureau of the Census

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
1990 STF 1C	Same tables as STF 1A for the larger geographic areas, includes: entire Nation, regions, divisions, states, counties, large places, minor civil divisions, MSA's, UA's (urbanized areas), American Indian and Alaska Native areas.	One disc, \$150.	See above
1990 STF 3A	Sample population and housing databased on long form questionnaire, such subjects as: education, ancestry, transportation to work, heating fuel, mortgage status, and year structure built. Same geographical detail as STF 1A.	One or more discs per state. \$150 first disc per state. \$250 for multi disc states. Entire set of 62 discs, \$6,100.	See above
1990 STF 3B	Same subject matter as STF 3A. Contains data for 5 digit ZIP codes.	\$150 per disc. Set of 3 discs - \$300.	See above
1990 STF 3C	Same subject matter as STF 3A. Sample data for same geographical areas shown on STF 1C.	Two discs, \$150.	See above
1990 STF 3 Puerto Rico	Same subject matter as STF 3A for Puerto Rico and its subareas down to the block group level.	One disc, \$150.	See above

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Bureau of the Census

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
<p>1990 Census Subject Summary Tape Files (SSTF's)</p>	<p>Provides detailed data on individual subjects. Some of the files are related to printed reports in the series CP-3 and CH-3.</p> <ol style="list-style-type: none"> 1) The Foreign-Born Population in the U.S. 2) Ancestry of the Population in the U.S. 3) Persons of Hispanic Origin in the U.S. 4) Characteristics of Adults with Work Disabilities 5) The Asian and Pacific Islander Population in the U.S. 6) Education in the U.S. 7) Metropolitan Housing Characteristics 8) Housing of the Elderly 9) Housing Characteristics of New Units 10) Mobile Homes 11) Language Use in the U.S. 12) Employment Status, Experience, and Veteran Status 13) Characteristics of American Indians by Tribe and Language 14) Occupation by Industry 1990 15) Not Assigned 16) Fertility 17) Poverty Areas in the United States 18) Condominium Housing 19) The Older Population of the United States 20) Journey to Work in the United States 21) Characteristics of the Black Population 22) Earnings by Occupation and Education 	<p>One disc, \$150. One disc, \$150. One Disc, \$150. 3 disc set, \$250 or One disc, \$150. One Disc, \$150. One disc, \$150. 8 disc set, \$900. No price yet. One disc, \$150. One disc, \$150. No price yet. One disc, \$150. One disc, \$150. One disc, \$150. One disc, \$150. No price yet. One disc, \$150. No price yet. 3 disc set, \$250.</p>	<p>See above</p>

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Bureau of the Census

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
1990 Census/Equal Employment Opportunity	Detailed occupational and educational attainment data by age and cross-tabulated by sex, race, and Hispanic Origin. Available for states, counties, MA's, and places of 50,000 or more inhabitants.	Two discs, \$150.	See above
1990 Census County-to-County Migration File	Data for non-movers, movers within counties, and all county-to-county migration between 1985 and 1990. Also includes data on age, college enrollment, employment status, Hispanic origin, household type, income, industry, occupation, place of birth and citizenship, poverty status, race, sex, and tenure.	Two disc set, \$250.	See above
1990 STP 14 Special Tabulation on Aging	Sample data contained in 483 population and 228 housing tables for U.S., state, county, county subdivision, metropolitan area, urbanized area and special planning and service area.	\$50 per disc. \$500 for 22 disc set.	See above
Comprehensive Housing Affordability Strategy (CHAS)	Housing data from 1990 Census Summary Tape File 3 for state, counties, minor civil divisions, and places of 10,000 or more. The data have been organized to conform with Department of Housing and Urban Development program definitions.	One disc, \$150.	See above

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Bureau of the Census

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Congressional Districts of the United States, 104th congress, STF1D/3D	Includes 1990 Census data for all districts of the 104th Congress including new districts in six states (GA, LA, ME, MN, SC and VA). Contains 100-percent data, such as: age, sex, race, Hispanic origin, marital status, units in structure, value, rent, number of rooms, and tenure. Also contains sample data, such as: place of work, education, income, water source, and year structure built.	One disc, \$150.	See above
Public Use Microdata Samples, 1990 Census	Individual records of responses to questionnaires for users to produce their own tabulations. Identifying information removed. Available as 5% and 1% samples.	\$150 per disc if purchased individually; discounted to \$100 if entire set is purchased; \$700 for 7 discs, 5% sample; and \$200 for 2 discs, 1%.	See above
TIGER/LINE (1994 Version)	The TIGER/Line files are extracts of selected geographic and cartographic information from the Census Bureau's TIGER system. In addition to geographic information found in earlier TIGER/line files, the files define traffic analysis zones as recognized in the Census Transportation Planning Package sponsored by Federal Highway Administration. Reflected also is an increase in the editing of address ranges and new zip + 4 codes derived from the latest matching with the address control file and the United States Postal Service files.	\$150 per disc; \$1500 for 6 disc set.	See above

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Bureau of the Census

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Census Tract Street Index, Version 2	Provides by county, a listing of streets, address ranges, and the corresponding census tract or BNA code for each address range. Also includes the Postal ZIP Code and the 103rd Congressional District number. Address coverage has been expanded from 43% to 69% of all residential addresses in the United States.	\$90 per multi-state disc; 6 disc set, \$400.	See above
TIGER/Landview II	This is a geographic reference, displaying EPA-regulated sites, demographic and economic information from the 1990 Census, and key geographic boundaries and features of the U.S. Also includes the complete Census Bureau 1992 TIGER/line file information which provides spatial characteristics of streets, rivers, railroads, and other features. Also contains selected 1990 demographic data and economic data. Users can view EPA and Census information for a variety of types of areas.	One disc, \$150.	See above
TIGER/Geographic Identification Code Scheme (GICS)	Entity names, codes, selected geographic relationships, total population, total number of housing units, area measurements and internal points for regions, divisions, 50 states and several statistically equivalent areas.	One disc, \$150.	See above

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Bureau of the Census

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
<p>American Housing Survey 1988, 1989, 1990, 1991, 1992 and MSA's Core File 1988-92</p>	<p>Housing microdata, based on household records without identifying information. Geographic areas identified are: U.S. and regions, metro/non-metro areas, inside/outside central city, urban/rural and place.</p> <p>For 1988, 1989, 1990, 1991, and 1992 MSA Core Files, sample data for 11 MSA's each. Central city/noncentral city indicators provided all MSA's as well as American Housing Survey zones (groups of census tracts having at least 100,000 population).</p>	<p>One disc, \$150.</p>	<p>See above</p>
<p>American Housing Surveys: National Core and Supplement Files 1989, 1991, and 1993</p>	<p>Contains National Core and Supplement Files microdata on general characteristics of housing inventory, kitchen and plumbing facilities, type of heating fuel used, source of water, sewage disposal, heating and air-conditioning equipment, and major additions, alterations, or repairs to property. Also housing expenses, including government assistance for such expenses. Supplements cover housing and neighborhood quality and demographic data on residents.</p> <p>For National Core and Supplement Files, the geographic areas covered are: regions, metropolitan/non-metropolitan areas, inside/outside central city, and urban/rural areas and places.</p>	<p>One disc, \$150.</p>	<p>See above</p>

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Bureau of the Census

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
County and City Data Book: 1994	An all-purpose database for all U.S. counties and large cities (population over 25,000), containing statistics on population, housing, race, education, marriage and divorce, income, employment, occupation, and crime, as well as most sectors of the economy: manufacturing, retail and wholesale trade, etc. Provides less data for places of 2,500 or more. Provides access to information from Census and other sources.	One disc, \$150.	See above
Statistical Abstract of the United States: 1994	About 1,400 tables with data from the Census Bureau and other government agencies and private organizations on social, political, and economic aspects of American life; statistics for the United States, with selected data for regions, divisions, states, metropolitan areas, cities, and foreign countries.	One disc, \$50.	See above
U.S.A. Counties (1994 edition)	2,080 variables on age of population, agriculture, ancestry, banking, business, construction, crime, education, elections, Federal and local government, health, households, personal income, poverty, retail trade, services industries, social insurance, human services, veterans, vital statistics, wholesale trade, and journey to work for United States, states and District of Columbia, and counties or county equivalents.	One disc, \$150.	See above

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Bureau of the Census

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
County Business Patterns 1992-1993	Provides statistics by industry detail (four-digit SIC) for U.S. industries. Data shows number of establishments, employment size, and payroll. They are used in measuring business activity within states and counties.	One disc, \$150.	See above
Current Population Survey March 1991-1993	Population and income microdata. Based on microdata (household records without identifying information) from the Current Population Survey. Geographic areas identified: U.S. and regions, selected metro areas and central cities, metro/non-metro areas, central city/noncentral city, and farm/non-farm.	One disc, \$150.	See above
Income and Poverty: 1993; & Current Population Survey, March 1994	Provides characteristics by income for households, families and persons; detailed characteristics for poverty; historical tables for households beginning in 1947. Also the annual demographic file for March 1994 provides microdata data such as: noncash benefits, migration, employments, occupation, insurance and school enrollment.	One disc, \$150.	See above
Economic Census Data 1992	The economic census, conducted every five years, profiles most sectors of the economy. Geographic areas are: U.S. States, counties, cities, and ZIP codes.	\$150 per disc or \$500 for subscription. New cumulative discs are issued at approx. 3-month intervals. ZIP code file will be sold separately.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Census of Agriculture, 1992 Vol. 1B-1C	Data on farm characteristics and farm products, such as number of farms, farm size, farm operator characteristics, sales, expenditures, livestock, poultry, dairy, and major crops harvested. For states and counties.	One disc, \$150.	See above
1992 Agriculture Atlas of the United States	Includes each of the map megafiles from the printed report.	One disc, \$150.	See above
1992 Census of Agriculture, Subject Series, ZIP Code Tabulations	Number of farms, land in farms by size, market value of agricultural products sold by size, livestock inventories by size, livestock and poultry sold by number sold, and selected crops harvested by acre.	One disc, \$150.	See above
1992 Census of Agriculture, Subject Series, Farm and Ranch Irrigation Survey 1994	Estimated quantity of irrigation water used by crop, source of water, method of water distribution, wells and pumps used in irrigation, and other irrigation practices. Included are expenses for maintenance and repair, purchase of water, and energy for pumping water.	One disc, \$150.	See above
1992 Census of Agriculture, Congressional District, and Metropolitan Area Data	Number of farms, land of farms, market value of agricultural products sold, total production expenses, limited operator characteristics, major livestock items, and selected crops published for each state.	One disc, \$150.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
U.S. Exports Commodity Classification (Schedule B)	U.S. exports commodity classification (International Harmonized System) codes and units of measurements for United States, Puerto Rico, and U.S. possessions. The file does not include data.	One disc, \$20.	See above
Foreign Trade Data	Statistics on international trade: exports and imports. Geographic areas: Foreign countries and U.S. Customs districts.	Monthly; two discs. Export & Import discs sold separately. Single monthly disc: \$150 Annual subscription: 4 quarterly discs, \$500; 12 monthly discs, \$1,200.	See above
Consolidated Federal Funds Reports (CFFR), 1983-1993	Federal expenditures and obligations for grants, salaries and wages, procurement contracts, direct payments for individuals, other direct payments, guaranteed or insured loans, and insurance. For states, counties and sub-county areas of U.S., U.S. territories, and District of Columbia.	One disc, \$150.	See above
1991 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation	Survey conducted for the U.S. Fish and Wildlife Service. Samples of 40,000 potential anglers and hunters and 28,000 observers, feeders, and photographers were selected to respond from 129,500 households in the United States.	One disc, \$35.	See above

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Bureau of Economic Analysis

The following CD-ROM is produced by the Bureau of Economic Analysis. For more information or to order, write or call:

Public Information Office
 Order Desk, BE-53
 Bureau of Economic Analysis
 Washington, D.C. 20230
 (202) 606-9900
 (202) 606-5310 (FAX)

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Regional Economic Information System	Local area economic data for states, counties, and metropolitan areas for 1969-93. Statistics include: personal income by source; per capita personal income; earnings by 2-digit SIC industry; full- and part-time employment by industry; regional economic profiles; and BEA Regional Fact Sheets (BEARFACTS).	Annually in May. \$35.00 per disc. Volume discount available.	REIS Staff (202) 606-5360
<u>Survey of Current Business</u> , 1994	All the issues of 1994 and selected articles from 1987-93 as part of one searchable database, yet still in a format that retains the familiar look and feel of the printed version for viewing and printing. Contains the Windows version of Acrobat Exchange LE, as well as a plug-in that allows users to easily extract statistical material from the <u>Survey</u> into spreadsheet format.	Annually, next edition in February 1996 (will contain full issues of 1995 and selected articles from 1982-94). \$35.00 per disc.	Leland Scott (202) 606-9695

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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The following CD-ROMs are produced by the Organizational components within NOAA, some in cooperation with governmental agencies or educational/scientific institutions. For more information or to order, write or call:

NOAA Central Library
 1315 East-West Highway
 Silver Spring, Maryland 20910
 (301) 713-2600 (Reference Desk)

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Global Ocean Temperature and Salinity Profiles	Global ocean temperature and salinity profiles taken between 1900 and 1990. Volume 1 covers the Atlantic, Indian, and Polar Oceans; Volume 2 covers the Pacific Ocean.	Single issue of 2 discs. \$84 per disc. \$168 for both.	NOAA/NODC User Services Branch 1825 Connecticut Avenue, N.W. Washington, D.C. 20235 (202) 606-4549 (202) 606-4586 FAX
GEOSAT Altimeter Data (T2GDRs)	Contains improved geophysical data records (GDRs) from the GEOSAT altimeter Exact Repeat Mission, November 1986 to December 1989. "T2" refers to the GEM-T2 gravity model upon which the orbits were based.	Single issue of 6 discs. \$138 for the set, individual discs are \$23.	See above
GEOSAT Altimeter Crossover Differences from the Geodetic Mission	Crossovers are the intersections of the satellite ground track with itself. At every crossover location, each of the ascending and descending passes provide an independent sea level measurement at the same place but at different times. Orbit-corrected crossover differences form the basis for studies in sea level variabilities. The 8 CD set contains crossover differences for the first 3-5 years of the Geodetic Mission of the U.S. Navy Geodetic Satellite (GEOSAT).	The 8 disc set is \$144, single discs are \$18.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
GEOSAT Altimeter Data from the Geodetic Mission, 30°S to 72°S	This CD-ROM provides Geophysical Data Records (GDRs) from de-classified data collected by the U.S. Navy Geodetic Satellite (GEOSAT) Geodetic Mission in 1985-86. These data are collected in a much more tightly spaced grid than similar data collected during the Exact Repeat Mission phase of GEOSAT, typically 3-4 kilometers at 30°.	The 2 disc set is \$116. Single discs are \$58.	See above
Ocean Current Drifter Data CD-ROM	This CD-ROM contains the surface currents ship drift database, by 10 degree, 1 degree, and month; subsurface drifting buoy data from the Woods Hole Oceanographic Institute; and all associated documentation.	The 2 disc set is \$100. Single discs are \$55.	See above
Sea Level CD-ROM	Contains two sets of sea level data. The first set is the Tropical Ocean Global Atmosphere (TOGA) dataset containing a well-documented archive of hourly, daily, and monthly sea level values in standardized formats. The second data set is the Permanent Service for Mean Sea Level set consisting of monthly global, historic sea level data. This CD-ROM contains the holdings of the World Data Center-A, Oceanography, as of July, 1994.	The single disc is \$61.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
World Ocean Atlas 1994	The Ocean Climate Laboratory has produced five ocean atlases describing results, and two technical reports describing the quality control and processing procedures of global distributions of temperature, salinity, oxygen, oxygen saturation and AOU, the nutrients phosphate, silicate, and nitrate, and the interannual variability of the upper ocean thermal structure. Observed and standard level profile data (along with quality control flags) used in the production of the atlases are available. Also includes the objectively analyzed one-degree latitude-longitude mean fields for each of the measured parameters, and two derived parameters (apparent oxygen utilization and oxygen saturation), five-degree square statistics of standard level values, and objectively analyzed upper-ocean (0-400m) temperature anomaly fields for years 1941-1990.	The set of 9 discs is \$270. Individual discs are \$30.	See above
GEOSAT Global Wind/Wave Data	Global wind/wave data derived from altimeter data collected during the Geodetic Mission of the U.S. Navy Geodetic Satellite (GEOSAT). The data span the period from March 31, 1985 through September 30, 1986. The data are recorded as 26-byte binary records in Hewlett-Packard format. The file has been compressed to fit the data onto one disc; decompression software is provided on the disc. This disc will be re-released in an uncompressed format.	The single, one-time disc is \$99.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
NODC Taxonomic Code (Version 7.0)	The NODC Taxonomic Code is a hierarchical system of numeric codes used to represent the scientific names of organisms. The code links the Linnean System of biological nomenclature to a numerical scheme that facilitates modern methods of computerized data storage and retrieval. The code is presented in a number of different ways, including different order sorts, subsets of the code, and other versions modified for special uses. This version of the code contains approximately 206,000 records.	The single disc is \$72.	See above
NOAA Marine Environmental Buoy Database	This on-going project consists of 21 CD-ROMs thus far (14 original and 7 updates). They hold marine meteorological, oceanographic, and wave spectra data collected by moored buoys and C-MAN (Coastal Marine Automated Network) stations. Holds data from 1972 to the present. Principle parameters reported include air temperature and pressure, wind speed and direction, wind gust, and sea surface temperature. Wave height, period, and spectra may also be reported.	The original 14 discs are available at \$35 a disc. The 7 updates are available at \$33 a disc.	See above
Oceanographic Station Profile Time Series	National Oceanographic Data Center (NODC) Oceanographic Station Data having repetitive samples along ocean sections or at fixed stations for long time periods. Included are temperature, salinity, density, and nutrient data stored in ASCII records in the NODC Station Data 2 (SD2) format. Also included on the disc is a conversion program that enables these data to be used with the ATLAST software package developed by Dr. Peter Rhines of the University of Washington.	The single disc is \$89.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
C-CAP Chesapeake Bay Region Data	The data on this CD-ROM shows changes in land cover for the Chesapeake Bay Region over the 5-year interval from 1984 to 1988-89. The dataset was produced through a multiyear effort that focused on the Chesapeake Bay as a prototype for the Coastal Change Analysis Program (C-CAP).	The single, one-time disc is \$71.	See above
Atlas of Surface Marine Data, 1994	The CD-ROM set contains raw and objectively analyzed fields of surface marine anomalies of fluxes of heat, momentum, and fresh water along with other parameters of interest. These revised monthly mean fields are derived from individual observations in the Comprehensive Ocean-Atmospheric Data Set (COADS) from January 1945 to December 1989 and are analyzed on a 1-degree by 1-degree global grid.	The 3 disc set is not yet available.	See above
NSWC Moored ADCP Data, 1994	This CD-ROM contains Acoustic Doppler Current Profiler (ADCP) data collected during 1994 on the eastern shelf of Florida. The data were collected at 10 minute intervals by a bottom-mounted 300-KHZ ADCP unit. The unit is supported by the United States Naval Surface Warfare Center (NSWC).	Not yet available.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
NOAA Library Information Catalog - NOAALINC	Contains the bibliographic records of 19 NOAA libraries and information centers. The database is built from the cataloging done of the Online Computer Library Center (OCLC). NOAALINC is a multimedia public access catalog. It provides dictionary or boolean search options, save search capability, response to natural language requests, browsing, artificial intelligence system, hypertext, syntax analysis, and thesaurus substitution techniques. Over 45,000 records.	Discs are issued monthly. An annual subscription is \$545.	Library Corporation Research Park Inwood, WV 25429 (304) 229-0100
Geologic Hazards Photos CD-ROMs	Digitally scanned images of slides showing earthquake damage, tsunami damage, landslides, volcanoes, and global relief.	The 2 disc set is \$71 + \$10 for non-US. NGDC Order No. 1115-A27-001.	NOAA/National Geophysical Data Center 325 Broadway Boulder, CO 80303 (303) 497-6591 (303) 497-6513 FAX
Global Relief Data on CD-ROM	Contains several gridded databases of global topography and bathymetry at various scales, digitized continental coastlines, gridded oceanic gravity anomalies, ocean-floor gazetteers, and digital topographic relief images in a wide variety of formats.	The single disc is \$100 + \$10 for non-US. NGDC Order No. 1093-A27-001.	NOAA/National Geophysical Data Center 325 Broadway Boulder, CO 80303 (303) 497-6338 (303) 497-6513 FAX
Flares in Hydrogen-Alpha	Solar flare records from ground-based observations. Data include reports (1938-present), events (1955-present), patrols (1955-present), and indices (1955-1980). The disc contains 107.2 Mb of data written as ASCII files.	Updated quarterly. \$114 per disc.	NOAA/NGDC Solar-Terrestrial Physics Branch 325 Broadway Boulder, CO 80303 (303) 497-6761 (303) 497-6513 FAX

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Solar Radio Bursts	Contains solar radio noise data measured at discrete and sweep frequencies. Data from 1960-present.	The single disc is \$114.	See above
Regions of Solar Activity	Daily reports of Ca plage regions and sunspot groups. Plage observations are from Big Bear (1981-1987), Hale (1979-1981), McMath (1942-1979), SGD Table (1969-1982), and Indices (1970-1982). Sunspot observations are from Catania (1978-1987), Greenwich (1874-1982), Mt. Wilson (1962-1991), Rome (1958-1989), and USAF (1981-1991). All files are written as standard ASCII.	Updated quarterly. \$114 per disc. Order No. RGN01.	See above
GOES Space Environment Data on CD-ROM: 1-Minute and 5-Minute Averages 1/1986-6/1994	Solar X-ray emissions, energetic particles, and magnetic field variations measured by NOAA satellites GOES-6 and GOES-7 (GOES = Geosynchronous Operational Environmental Satellites).	Update annually. \$209 per disc. Order No. GOES-100-01.	See above
NGDC - 05/1: Solar Variability Affecting Earth	Contains a wide variety of solar-terrestrial data including: sunspot numbers; solar flare lists; sudden ionospheric disturbances; geomagnetic observatory values (hourly, daily, monthly, and annual means); GOES Space Environment Monitor (X-rays, energetic particles, magnetic fields); magnetic activity indices (Kp, Km, Ap, Am, Dst, and AE); tree rings from the Southwest U.S.; selected ionospheric observatory for F2 hourly values; selected atmospheric, ionospheric, and magnetic models; and NASA "OMNI" tape contents.	One-time single disc, \$114 per disc. Order No. 001-827-0002	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Neutron Monitor Data	Complete global collection of worldwide neutron monitor recordings of effects of cosmic rays penetrating the earth's atmosphere.	Updated semi-annually, \$209 per disc. Order No. CSRY-001.	See above
STEP Project 6.4 - Geomagnetic Values for 1990 and 1991	One-minute geomagnetic station data from all STEP (Solar-Terrestrial Energy Project) participants for 1990 and 1991.	2 disc set, \$11 per disc.	See above
Ionospheric Digital Database	This is a two disc set of ionospheric vertical incidence parameters from 130 global sites. Data have been digitized, reformatted, and converted to universal time. Software can display data in local meridian time and allows the user to browse and display. Disc 1 (IONO-CD-1) contains data from 1957-1975. Disc 2 (IONO-CD-2) contains data from 1976-1990.	The 2 disc set is \$200.	See above
Global Ecosystems Data (Disc A & B)	Selected data on global ecosystems, vegetation (including vegetation index), climate, topography, land cover, soils, and other data. These data are on several different grids, from 2 degrees to 2 minutes. Vector data for coastlines and other features are provided.	A 2 disc set updated intermittently. \$91 per disc. Product number 1016-A27-001.	NOAA/NGDC Solid Earth Geophysics Division 325 Broadway Boulder, CO 80303 (303) 497-6521 (303) 497-6513 FAX
Experimental Calibrated Global Vegetation Index (1994 Edition)	Presents two versions of an experimental Normalized Difference Vegetation Index (NDVI) based on the NOAA Advanced Very High Resolution Radiometer (AVHRR) satellite. The biweekly data are successive weeks of screened NDVI data which are temporarily composited, based on maximum NDVI. The monthly data are two biweekly periods which best fit a given calendar month and are reprojected to latitude-longitude.	The single disc is \$71. Product number 1084-A27-001.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Gravity (1994 Edition)	Includes station data, gravity networks, regional surveys, gravity anomaly grids, and satellite measurements. The boundary data include World Vector Shoreline, and World Bank II.	The single disc is \$261. Product No. 1018-A27-001.	See above
Minnesota Aeromagnetics Data, Vol. 1 & 2	A large quantity of digital airborne magnetic data from Minnesota: 88 tracking files, 6 grids, and numerous geomagnetic activity indices. The track-line data spans over 597,000 flight-line miles.	The single disc is \$261.	See above
Coastal Change Analysis Project: Chesapeake Bay Region, 1984-1989	Shows changes in land cover for the Chesapeake Bay Region over a five-year interval based on analyses of Landsat Thematic Mapper Scenes a cooperative product with the National Marine Fisheries Service, National Oceanographic Data Center, and National Geophysical Data Center.	The single disc is \$71. Order No. 1132-A27-001.	See above
Global View Project	Features a collection of four compact disc containing global data previously published by NGDC: (1) Chesapeake Bay region data for the Coastal Change Analysis Project; (2) Global Ecosystems Database; (3) Experimental Calibrated Global Vegetation Index from NOAA's AVITRR, and (4) Terrain Base. The set was designed with climate and global change researchers in mind.	The single disc is \$261. Order No. 1133-A27-001.	See above
Terrain Base - World Digital Terrain Data	Includes an improved global 5-minute digital terrain model which consists of a complete matrix of land & ocean values for the entire world. Also included are 26 regional models that provide land elevation & ocean depth values for various areas throughout the world.	The single disc is \$81. Order No. 1090-A27-001.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Geophysics of North America, NGDC-02	Contains data and information compiled from many different source tapes available at the National Geophysical Data Center and the World Data Center-A for Solid Earth Geophysics, includes: topographic magnetic, gravity, earthquake seismology, heat flow, stress data, vegetation index, and geopolitical boundary data. The newest topographic data set contains U.S. coastal bathymetry.	The single disc is \$261.	See above
GEODAS - Worldwide Marine Geophysical Data	Underway marine geophysical trackline data including bathymetry, magnetic, gravity, and seismic shot-point navigation data from GEODAS (the GEOphysical Data System of NGDC).	Set of 3 discs, with annual releases. \$201 per disc. Order No. 129F27003.	NOAA/NGDC Marine Geology and Geophysics Division 325 Broadway Boulder, CO 80303 (303) 497-6338 (303) 497-6513 FAX
Ocean Drilling Program CD-ROM Data Set	Data files compiled by the Ocean Drilling Program, including sediment and hard rock analyses and descriptions, and underway geophysical measurements between sites for legs 101-129 of the ODP. Also includes Age Profile, Borehole Interstitial Water Properties, Interstitial Water Chemistry, Paleomagnetism Intensity and Susceptibility, Rock Evaluator, Sedimentary Lithology, Site Summary, Smearslide Description, Strength, Velocity, X-ray Fluorescence, and Underway Geophysical Data.	The single disc is \$103. Order No. 1013A27001.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
NOAA and MMS Marine Minerals CD-ROM Data Set	National Geophysical Data Center Marine Minerals Bibliography and Geochemical Database, Scripps Institution of Oceanography Ferromanganese Crust Data, CNEXO Ferromanganese Nodule Data, and U.S. Geological Survey Placer/Heavy Minerals data. Construction of the bibliography and database was a cooperative effort with the Minerals Management Service.	The single disc is \$57. Order No. 827A27001.	See above
Southern Oceans Geophysical Data on CD-ROM	This disc contains a collection of marine geological and geophysical data which covers the southern ocean from 300 - 700 S. Files on the disc include: Predicted Seafloor Topography; Free - Air Gravity; and Total Sediment Thickness and Magnetic Lineations.	The single disc is \$50. Order No. 987H27001.	See above
Deep Sea Drilling Project (DSDP) CD-ROM Data Set	Data from over 1,000 holes at 624 sites drilled by the D/V Glomar Challenger over 16 years of operation by the Scripps Institution of Oceanography, includes sediment/hardrock, and underway geophysics data, downhole logs, and reference files.	A single disc. Call for price. Order No. 993A27001.	See above
The Global Daily Summary System (GDS) - Daily Temperature and Precipitation, 10/1/77-12/31/91	Provides access to daily data for over 10,000 global sites. Daily data includes maximum/minimum temperature, 24 hour precipitation, and 3-hourly Present Weather.	The single disc is \$120.	NOAA/NDCD Climate Services Branch Federal Building 151 Patton Avenue Asheville, NC 28801 (704) 271-4800 (704) 271-4876 FAX

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Historic U.S. Climate Data - Clivue/Clisnoop Ver. 1.0	The disc utilizes 1,500 U.S. stations with long term daily data (temperature and precipitation). Allowing the selection of a date of interest, the user selects a location for which available daily data for that date are placed in historical perspective through time-series graphs.	The single disc is \$120.	See above
Global Upper Air Climatic Atlas Ver 1.0	Utilizing 12 years of 2.5 degree global gridded data from the European Center for Medium-Range Weather Forecasts, the discs provide period of record and individual year-month statistics for 5 elements at 15 levels from the surface to 10mb. Users display grid point data, contour analysis for defined regions, and vertical profiles. A joint NOAA/Navy product.	The 2 disc set is \$120 per disc.	See above
Solar and Meteorological Surface Observation Network, 1961-1990	Provides access to hourly surface observations for 234 National Weather Service sites for the 1961-1990 period and to coincident modeled solar radiation data.	The 3 disc set is \$120 per disc.	See above
Global Tropical/Extratropical Cyclone Climatic Atlas, Ver. 1.0 and 2.0	Historical tropical cyclone data for all ocean basins and extratropical cyclone data for the Northern Hemisphere is included. The disc will display individual tracks, information along the track, preferred storm tracks, and statistics, such as annual frequencies and speed of storm movement. Period of records for tropical cyclones is late 1800's through 1994 and includes available storm narratives.	This disc will be updated annually. Ver. 1.0 is available at \$120 per disc. Ver. 2.0 is under development.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Global Tropical and Extratropical Cyclone Data	Provides access to available historical tracks for global tropical cyclones and Northern Hemisphere extratropical cyclones from the late 1800s to 1994.	This disc will be updated annually. Individual discs are \$120.	See above
Marine Climatic Atlas of the World Ver. 1.1	Grid-point monthly means/standard deviations of global historical marine data, including air and sea temperature, dew point temperature, sea-level pressure, wind speed, wave height, and probability of superstructure icing and gale force winds. The disc provides the capability to either display or contour the listed data for user-defined regions. This disc also includes detailed Port Guide data for ports in the Mediterranean Sea and detailed narratives for individual ocean basins. A Navy-sponsored product.	The single disc is \$120.	See above
National Climate Information Disc - Vol. 1	Geographic and tabular display of historical temperature, precipitation, and Palmer Drought Index data for the 344 climate divisions of the U.S. for each year-month of the period 1895-1988. This disc contains 1032 time-series graphs, 4180 maps, and 5400 frames of video animation.	The single disc is \$120.	See above
Radiosonde Data of North America 1946-1994	Provides access to all available radiosonde data observed in the United States, Canada, Mexico, and Caribbean for the period 1946-1994. Includes mandatory and significant levels to 100 millibars.	The 4 disc set is \$480.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
NOAA National Environmental Watch - Prototype 1994	Provides access to condensed technical articles covering a variety of NOAA-conducted or sponsored research on environmental topics of interest to planners and design-makers. Includes graphics, references to relevant articles, and contact-point information.	Prototype. Copies available for no charge.	See above
Global Historical Fields Ver. 1.0	5 degree grid point Northern Hemispheric Charts for the surface pressure (1899 to April 1994) and the 100/500/300 mb levels (height and temperature) for the mid-1940s to April 1994 can be contoured, printed, and exported. Provides ability to display all data for a given grid point and looping capability to view software. A joint NOAA/Navy product.	Ver. 1.0 is available now at \$120 for the single disc. Ver 2.0 is under development.	See above
Station Climatic Daily Data Summary Ver. 1.0	Provides summary statistics and access software to view and export daily climatological data for National Weather Service, Navy, and Air Force locations for the period 1948-1993. This is a joint NOAA/Navy product.	The single disc is \$120.	See above
C-Man and Buoy Reports and Summarized Data	Provides access to hourly data observed at nearly 200 buoy and C-Man sites located onshore in the offshore waters of the Atlantic and Pacific oceans, Gulf of Mexico, Gulf of Alaska, and Great Lakes. Data includes temperature, wind, pressure, and wave height. Data are also presented in summary form for period of record and in year-month form. General period of record is mid-1970s to 1993.	The 2 disc set is \$120 per disc.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Hourly Precipitation Data	Provides access to hourly precipitation data observed at 5,000 locations in the U.S. from the 1940s to 1994. Limited graphics capability is available.	The 3 disc set is under development. It will be \$120 per disc.	See above
Global Gridded Upper Air Statistics, 1980-1991	Provides access to global monthly upper air means of temperature, height, dew point, and wind speed for 15 levels from the surface to 10mb. Data are on a 2.5 degree grid. Source of the original data is the European Center for medium-range weather forecasts.	The single disc is \$120.	See above
MH4 - Meteorology Data, 1990	Provides access to hourly modeled upper air on a 80km grid covering the U.S., southern Canada and northern Mexico. Data are for the year 1990 only and include 23 levels from the surface to 100mb. Each level includes temperature, dew point depression, and wind direction/speed.	The 12 disc set is available at \$120 per disc.	See above
NMC Charts	Provides access to a selection of hourly charts (current and forecasts) distributed by the National Meteorological Center. Chart coverage includes Northern Hemisphere, North America and the U.S. Selected charts include surface and upper air analyses, radar, precipitation and temperature. 3 discs per month.	Under development. Will be \$120 per disc. There will be a volume discount yet to be determined.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Cooperative Summary of the Day	Provides access to all digital cooperative data at over 15,000 cooperative observation sites in the U.S. Period of record varies, with most data from the mid-1940s to 1993. Data includes daily maximum/minimum temperature, precipitation, snowfall, snowdepth, present weather and soil temperature, and evaporation. Also included are site inventories and station histories. Updated annually.	The 21 disc set is \$1,500. Individual discs are \$120.	See above
International Station Meteorological Climate Summary Ver. 3.0	Contains detailed climate summaries for 2,200 worldwide locations and less detailed summaries for over 5,000 locations. Summaries are accessed by zooming to a geographic region and station selecting by name, number, country, or 4 other sorts. Includes graphics capabilities for selected summary tables. Data can be exported to a hard/floppy disc or printed. This is a joint NOAA/Navy/Air Force product.	The single disc is \$120.	See above
Airborne and Satellite Snow Data	Alphanumeric airborne and satellite snow cover data with snow mapping image window capability. 1990, 1991, and 1992 discs available.	Discs are issued annually. \$200 per disc.	NOAA/NWS 6310 34th Avenue South Minneapolis, MN 55450-2985 (612) 725-3257
NMFS on CD - Premier	Includes the publications Our Living Oceans-I and Our Living Oceans-III, containing narrative and charts on the status of U.S. fisheries; the publication Fisheries of the U.S. - 1993, containing tables on fisheries landings and other data; selected computer images of southeastern U.S. marine fishes; the current Saltonstall-Kennedy grant program bibliography; and several other datasets still to be determined.	Currently under development for future release, price not yet determined.	NOAA/National Marine Fisheries Service, Data Management Division, FARE2. 1335 East-West Highway Silver Spring, MD 20910 (301) 713-2372 (301) 713-1035 FAX

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
High Resolution Bathymetry and Selected Geoscience Data for the Monterey Bay Region	This sampler disc contains NOAA High Resolution Bathymetric Data and other data sets for the Monterey Canyon area. It was produced in conjunction with the 1989 U.S. Exclusive Economic Zone Symposium hosted by the U.S. Geological Survey and NOAA Joint Office for Mapping and Research. Types of data are: multi-beam bathymetric, sea beam, GLORIA side scan sonar data, digital elevation model data, digital photographs, LANDSAT, and geodetic control information.	Available for exchange with research institutions.	USGS/NOAA Joint Office for Mapping and Research USGS National Center 12201 Sunrise Valley Drive Reston, VA 22092 (703) 648-6525
National Geodetic Survey Geodetic Data Sheets for the U.S.	This is a 5 volume set of geodetic data sheets for regions of the U.S., containing data sets for tens of thousands of control points. Data sheets combine horizontal control (position) and vertical control (height) information in a single format. Data is in ASCII. Retrieval software is provided for DOS and UNIX users.	The 5 disc set is \$200. Single discs are \$50.	NOAA/NOS/National Geodetic Survey N/CGS12 1315 East-West Highway Silver Spring, MD 20910-3282 (301) 713-3242 (301) 713-4172 FAX

NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
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Office of Standard Reference Data

The following CD-ROMs are issued by the Office of Standard Reference Data. For more information or to order, write or call:

Standard Reference Data
 National Institute of Standards and Technology
 Building 221, Room A-323
 Gaithersburg, Maryland 20899
 (301) 975-2208
 (301) 975-2183 (FAX)

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
NIST Special Database 1 NIST Binary Images of Printed Digits, Alphas, and Text (HWDB)	Hand printed character database of 2,100 pages of black and white characters (over 1,000,000). 300 pixel/inch resolution. Suitable for character recognition system research and development and for system performance and comparison.	Cost - \$895. No volume discount.	Advanced Systems Division NIST Computer Systems Laboratory Gaithersburg, MD 20899 (301) 975-2080
NIST Special Database 2 NIST Structured Forms Reference Set of Binary Images (SFRS)	5,590 pages of binary, black and white, images of synthesized documents. Documents are 12 different IRS tax forms, with 900 simulated tax submissions. Suitable for both document processing and automated data capture research and development.	Cost - \$250. No volume discount.	See above
NIST Special Database 4 NIST 8-Bit Gray Scale Images of Fingerprint Image Groups (FIGS)	2,000 8-bit gray scale fingerprint image pairs, each 512 by 512 pixels. JPEG compressed. 400 pairs from each of the five classifications: Arch, Right and Left loops, Tented Arch, Whirl.	Cost - \$250. No volume discount.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
<p>NIST Special Database 6 NIST Structured Forms Reference Set 2 of Binary Images (SFRS2)</p>	<p>5,595 pages of binary, black and white images of synthesized documents. Documents are 12 different IRS tax forms with 900 simulated tax submissions. Suitable for both document processing and automated data capture research and development.</p>	<p>Cost - \$250. No volume discount.</p>	<p>See above</p>
<p>NIST Special Database 8 NIST Machine-Print Database of Gray Scale and Binary Images (MPDB)</p>	<p>Gray scale and binary images of machine printed pages. 360 digitized pages on three CD-ROM discs. A total of 3,063,168 characters in the set which is an average of 8,509 characters per page. A reference file is included for each page. Suitable for automated machine print research and development.</p>	<p>Cost - \$1,895. No volume discount.</p>	<p>See above</p>
<p>NIST Special Database 9 NIST 8-Bit Gray Scale Images of Mated Fingerprint Card Pairs (MFCP)</p>	<p>Database of mated fingerprint card pairs will consist of multiple volumes. Each volume will be a 3 disc set with each CD-ROM containing 90 mated card pairs of segmented 8-bit gray scale fingerprint images (900 fingerprint image pairs per CD-ROM). Each segmented image is 832 by 768 pixels. JPEG compressed. Suitable for automated fingerprint classification research.</p>	<p>Cost per volume - \$750. No volume discount.</p>	<p>See above</p>
<p>NIST Special Database 10, NIST Supplemental Fingerprint Card Data (SFCD)</p>	<p>Provides a larger sample of fingerprint patterns that have a low natural frequency of occurrence and transitional fingerprint classes. A 3-disk set with the first CD-ROM containing 2,160 pixel images and the last 2 CD-ROMS containing 1,680 images each. Suitable for automated fingerprint classification research.</p>	<p>Cost - \$750.</p>	<p>Advanced Systems Div. NIST Computer Systems Laboratory Gaithersburg, MD 20899 (301) 975-2904</p>

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
NIST Special Databases 11-13 NIST Binary Image Databases of Census Miniforms (MFDB)	Contain images of a non-sensitive portion of the Industry and Occupation section of actual 1990 Census Long Forms. Images are 624 by 744 pixels sampled at 200 pixels per inch. Ideal for the evaluation of optical character recognition (OCR) system performance on a difficult form-based task.	Cost - \$1,000 each.	See above
NIST Special Database 14, NIST Mated Fingerprint Card Pairs 2 (MFPC2)	For use in development and testing of automated fingerprint classification and matching systems on a set of images which approximate a natural horizontal distribution of the National Crime Information Center (NCIC) fingerprint classes. The database consists of 3 CD-ROM disks, each containing 9,000 image pairs and requiring approx. 670 megabytes of compressed storage. Suitable for automated fingerprint classification research.	Cost - \$750.	See above
NIST Special Database 18, NIST Mugshot Identification Database (MID)	The database consists of 3 CD-ROMs, containing a total of 3,248 images of variable size, compressed with lossless compression. There are images of 1,573 individuals. Suitable for automated mugshot identification research.	Cost - \$750.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
NIST Special Database 19, NIST Handprinted Forms and Characters Database	Contains NIST's entire corpus of training materials for handprinted document and character recognition. It publishes Handprinted Sample Forms from 3,600 writers; 810,000 character images isolated from their forms; ground truth classifications for those images; reference forms for further data collection; and software utilities for image management and handling. For handprint document processing and OCR research.	Cost - \$895.	See above
NIST Special Database 20, NIST Scientific and Technical Document Database	Contains 23,468 high-resolution binary images obtained from copyright-expired scientific and technical journals and books. The images contain a very rich set of graphic elements such as graphs, tables, equations, two-column text, maps, pictures, footnotes, annotations, and arrays of such elements. Available as a four-5.25 inch CD-ROM set in the ISO-9660 format.	Cost - \$1,000.	See above
NIST Special Software 1 NIST Scoring Package Release 1.0 (SP)	A reference implementation of the draft, "Standard Method for Evaluating the Performance of Systems Intended to Recognize Hand-printed Characters from Image Data Scanned from Forms". Supports both form-based and character-based scoring. Applicable to a wide variety of structured forms.	Cost - \$1,150. No volume discount.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Public Domain OCR NIST Form-based Handprint Recognition System	Evaluates optical character recognition (OCR). The system reads handprinted fields containing digits, lower case letters, upper case letters, and reads a text paragraph containing the Preamble to the U.S. Constitution. This is a source code distribution written primarily in C and is organized into 11 libraries. There are approx. 19,000 lines of code supporting more than 550 subroutines.	Free (with paper letter of request).	NIST Attn: Michael D. Garris Bldg. 225, Rm. A216 Gaithersburg, MD 20899 Fax: 301-840-1357 Phone: 301-975-2928
Public Domain PCASYS NIST Pattern-level Classification Automation System for Fingerprints	Automatic fingerprint classification software. Its primary component is a classifier demonstration program. The classifier separates fingerprint images into pattern-level classes known as arch, left loop, right loop, scar, tented arch, and whorl. The distribution is in the form of an ISO 9660 format CD-ROM and a printed report.	Free (with paper letter of request).	NIST Attn: Gerald T. Candela Bldg. 225, Rm. A216 Gaithersburg, MD 20899 Fax: 301-840-1357 Phone: 301-975-3388
TIPSTER Volume 1 and Volume 2	The document part of a test corpus to support research in text retrieval. These volumes contain SGML formatted text from the Wall Street Journal, the AP newswire, the Computer Select disks, and the Federal Register.	Cost - \$1,000 per volume.	Advanced Systems Div. NIST Computer Systems Laboratory Gaithersburg, MD 20899 (301) 975-2904
TIPSTER Volume 3	This volume contains SGML formatted text from the San Jose Mercury News, the AP newswire, the Computer Select disks, and selected U.S. Patents.	Cost - \$1,000.	See above

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Office of Standard Reference Data

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
NIST/EPA/NIH Mass Spectral Database	Database of 75,000 electron mass spectra of 62,500 compounds. Categories of substances identified are steroids, alkaloids, drugs, derivatives, amino acids, metals, carbohydrates, fatty acids and lipids, pesticides, and primary pollutants.	Cost - \$1,200. No volume discount.	Mass Spectrometer Data Center Chemical Sciences & Technology Laboratory NIST Gaithersburg, MD 20899 (301) 975-2562

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Crystal Data and Electron Diffraction Center

The following CD-ROMs are issued by the Crystal Data and Electron Diffraction Center. For more information or to order, write or call:

Materials Science and Engineering Laboratory
 National Institute of Standards and Technology
 Building 223, Room B-309
 Gaithersburg, Maryland 20899
 (301) 975-5658

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
NIST Crystal Data	Chemical, physical, and crystallographic information useful to characterize more than 154,000 inorganic and organic crystalline materials. Data include standard cell parameters, cell volume, space group number and symbol, the calculated density, and classification by chemical type, chemical formula, and chemical name. Each entry has associated literature reference.	Cost - \$2,000. No volume discount.	Reactor Radiation Division NIST Gaithersburg, MD 20899 (301) 975-6210
Crystal Data	Crystal Data contains chemical, physical and crystallographic data on all types of crystalline compounds. These materials fall into the following categories: inorganic, organic organometallic, metals, intermetallics and minerals. The database currently contains approximately 200,000 entries and is updated annually. The database has many applications in the materials sciences including the identification of any characterization of unknown crystalline phases.	Cost - \$2,500. Cost for an annual update is \$500.	Joan Sauerwein NIST Office of Standard Reference Data Gaithersburg, MD 20899 (301) 975-2208

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Crystal Data and Electron Diffraction Center

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Electron Diffraction Database	The Electron Diffraction Database contains chemical, and crystallographic data on all types of inorganic materials. For each entry, calculated d-spacings are included. The database currently contains approximately 83,000 entries and is updated every three years. The database and accompanying search software have many applications in electron, x-ray and neutron diffraction including the identification of unknown crystalline phases.	Cost - \$3,000. Cost for an update is \$500.	See above

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CD-ROM Information Products

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Computer Systems Laboratory

Speech Corpora CD-ROMs produced by:

Spoken Natural Language Processing Group
Advanced Systems Division
Computer Systems Laboratory, NIST
Building 225, Room A-216
Gaithersburg, MD 20899

Technical contact:

Dr. David S. Pallett
Phone: (301) 975-2935
Fax: (301) 670-0939
dpallett@nist.gov

Sources of NIST Speech Corpora CD-ROMs (see below for specific availability):

National Technical Information Service (NTIS)
Springfield, VA 22161
Phone: (703) 487-4650
Fax: (703) 321-8547
WWW: <http://www.fedworld.gov>

Linguistic Data Consortium (LDC)
Room 441, Williams Hall
University of Pennsylvania
Philadelphia, PA 19104-6305
Phone: (215) 898-0464
Fax: (215) 573-2175
Email: ldc@unagi.cis.upenn.edu
WWW: <http://www.cis.upenn.edu/~ldc/home.html>

Note: Prices are accurate as of 08/15/95 but are subject to change without notice. Prices for purchases from outside of the U.S.A. may vary from those listed.

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Computer Systems Laboratory

TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
<p>DARPA Acoustic-Phonetic Continuous Speech Corpus (TIMIT), October 1990, NIST Speech Disc 1-1.1 (1 disc)</p>	<p>Corpus collected using sentence prompts that were designed to be phonetically "rich". Contains speech from 630 subjects from 8 major dialects of American English. Designed to provide speech data for the acquisition of acoustic-phonetic knowledge and for the development and evaluation of automatic speech recognition systems. The recordings were made in a quiet acoustic enclosure using a Sennheiser close-talking noise-canceling head-mounted microphone.</p> <p>Companion book available (NISTIR 4930, 1993)</p>	<p>Cost: \$100.</p> <p>Available through: NTIS, LDC.</p>	<p>See above</p>
<p>B&K TIMIT, TIMIT Acoustic-Phonetic Continuous Speech Corpus, Breul and Kjaer Microphone Recordings, August 1995, NIST Speech Disc 21-1.1 (1 disc)</p>	<p>Previously unreleased secondary microphone recordings for 613 of the 630 TIMIT subjects. The recordings were made with a Breul and Kjaer ½" free-field sound pressure level microphone. Includes calibration tones.</p>	<p>Cost: \$100.</p> <p>Available through: NTIS, LDC.</p>	<p>See above</p>
<p>NYNEX Telephone Network Acoustic-Phonetic Continuous Speech Corpus (NTIMIT), August 1992 (2 discs)</p>	<p>Provides a telephone bandwidth adjunct to TIMIT. All 6300 original TIMIT Sennheiser microphone recordings were re-recorded via various channels in the NYNEX telephone network, half using long-distance carriers. Channel calibration tones are included.</p>	<p>Cost: \$250.</p> <p>Available through: NTIS, LDC.</p>	<p>See above</p>

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
<p>DARPA Resource Management Continuous Speech Database (RM1) Speaker-Dependent Training Data, September 1989, NIST Speech Discs 2-1.1 and 2-2.1 (2 discs)</p>	<p>Naval resource management domain read speech corpora used in training speaker-dependent continuous speech recognition systems. Based on a 991-word lexicon, used in NIST/(D)ARPA CSR benchmark tests 1987-1992. Contains 12 subjects each reading 612 sentences. The recordings were made in a quiet acoustic enclosure using a Sennheiser close-talking noise-canceling head-mounted microphone.</p>	<p>Cost: \$400.</p> <p>Available through: NTIS, LDC.</p> <p>*Complete RM1/RM2 set available through LDC for \$1,000.</p>	<p>See above</p>
<p>DARPA Resource Management Continuous Speech Database (RM1) Speaker-Independent Training Data, November 1989, NIST Speech Disc 2-3.1 (1 disc)</p>	<p>Naval resource management domain read speech corpora used in training speaker-independent continuous speech recognition systems. Based on 991-word lexicon, used in NIST/(D)ARPA CSR benchmark tests 1987-1992. Contains 80 subjects each reading 42 sentences. The recordings were made in a quiet acoustic enclosure using a Sennheiser close-talking noise-canceling head-mounted microphone.</p>	<p>Cost: \$650.</p> <p>Available through: NTIS, LDC.</p> <p>Complete RM1/RM2 set available through LDC for \$1,000.</p>	<p>See above</p>

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
<p>DARPA Resource Management Continuous Speech Database (RM1) Development Test and Evaluation Test Data and Scoring Software, August 1992, NIST Speech Disc 2-4.2 (1 disc)</p>	<p>Naval resource management domain read speech corpora. Based on 991-word lexicon. Contains evaluation test material used in NIST/(D)ARPA CSR Resource Management Speaker-Dependent and Speaker-Independent benchmark tests 1987-1992*. Also contains SD and SI development test sets. Includes UNIX-based scoring software and sample output from 1989 state-of-the-art systems. The recordings were made in a quiet acoustic enclosure using a Sennheiser close-talking noise-canceling head-mounted microphone.</p> <p>* Excluding 1990 test material on RM2</p>	<p>Cost: \$750.</p> <p>Available through: NTIS, LDC.</p> <p>*Complete RM1/RM2 set available through LDC for \$1,000.</p>	<p>See above</p>
<p>DARPA Extended Resource Management Continuous Speech Speaker-Dependent Corpus (RM2), September 1990, NIST Speech Discs 3-1.1 and 3-2.2 (2 discs)</p>	<p>Speaker-dependent extension to the Resource Management (RM1) corpus. Contains 4 subjects each reading 2,652 Resource Management domain sentences. The evaluation test material on these discs was used as the test set for the June 1990 NIST/(D)ARPA CSR Resource Management CSR benchmark tests. Includes UNIX-based scoring software. The recordings were made in a quiet acoustic enclosure using a Sennheiser close-talking noise-canceling head-mounted microphone.</p>	<p>Cost: \$600.</p> <p>Available through: NTIS, LDC.</p>	<p>See above</p>

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
<p>ARPA Continuous Speech Recognition Pilot Corpus (WSJ0), February 1994, NIST Speech Discs 11-1.1 - 11-12.1 (12 discs)</p>	<p>Wall-Street Journal domain read speech corpora and spontaneous business news domain journalist-dictated corpora amounting to over 31,000 utterances and 80 hours of speech. The corpus is split into speaker-dependent and speaker-independent subsets, and further split into 5,000-word and 20,000-word vocabularies. Each subset includes equal amounts of recordings with verbalized and non-verbalized punctuation. Recorded in an office environment with both a noise-canceling head-mounted Sennheiser microphone and various secondary microphones. Used in November 1991 "Dry-Run" and November 1992 NIST/(D)ARPA CSR benchmark tests.</p>	<p>Cost: \$2,000 - Sennheiser mic recordings (6 discs). \$2,000 - Secondary mic recordings (6 discs). Available through: LDC.</p>	<p>See above</p>
<p>ARPA Continuous Speech Recognition Corpus (WSJ1), August 1993, NIST Speech Discs 13-1.1 - 13-34.1 (34 discs)</p>	<p>North American Business News domain speech corpora. Training data is split into short- and long-term speaker-independent portions without verbal punctuation. Contains ~78,000 training utterances (~73 hrs.), 6,800 from spontaneous journalist-dictated news stories. Recorded in an office environment with both a noise-canceling head-mounted Sennheiser microphone and various secondary microphones. Also contains Hub and Spoke development and evaluation test material used in November 1993 NIST/ARPA CSR benchmark tests.</p>	<p>Cost: \$5,000 - Sennheiser mic recordings (19 discs). \$5,000 - Secondary mic recordings (18 discs). Available through: LDC.</p>	<p>See above</p>

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
<p>ARPA Continuous Speech Recognition Corpus North American Business News (CSRNAB1) 1994 Hub and Spoke Development Test Data, August 1994 NIST Speech Discs 23-1.1, 23-3.1 (3 discs)</p>	<p>CSR Hub and Spoke development test data used prior to November 1994 NIST/ARPA CSR benchmark tests. Contains 2 complete Hub and Spoke test sets. The spoke data was recorded in various environments using various microphones.</p>	<p>Cost: Contact LDC. Available through: LDC.</p>	<p>See above</p>
<p>ARPA Continuous Speech Recognition Corpus North American Business News (CSRNAB1) November 1994 Hub and Spoke Evaluation Test Data, February 1995, NIST Speech Disc 25-1.1 (1 disc)</p>	<p>CSR Hub and Spoke evaluation test data used in November 1994 NIST/ARPA CSR benchmark tests. The spokes were recorded in various environments using various microphones.</p>	<p>Cost: Contact LDC. Available through: LDC.</p>	<p>See above</p>
<p>DARPA Air Travel Information System (ATIS0) Spontaneous Speech Pilot Corpus and Relational Database, November 1990, NIST Speech Disc 5-1.1 (1 disc)</p>	<p>Pilot corpus of spontaneously-elicited speech in the air travel planning domain consisting of recordings of 36 subjects interacting with a "Wizard-of-Oz" simulation of an automated air travel information system. The speech has been fully transcribed and annotated with reference answers. Includes relational database used of flight information for 10 cities. Recordings were made in an office environment using a head-mounted noise-canceling Sennheiser microphone and Crown surface effect microphone.</p>	<p>Cost: \$400. Available through: NTIS, LDC.</p>	<p>See above</p>

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
<p>DARPA Air Travel Information System (ATISO) Read Versions of Spontaneous Data and Adaptation Data, November 1990, NIST Speech Disc 5-2.1 (1 disc)</p>	<p>Read versions of spontaneous air travel information system domain speech for 20 subjects from Disc 5-1.1. Also includes 40 read rapid adaptation sentences for each subject. Recordings were made in an office environment using a head-mounted noise-canceling Sennheiser microphone and Crown PCC-160 table-mounted microphone.</p>	<p>Cost: \$500.</p> <p>Available through: NTIS, LDC.</p> <p>* Complete ATISO set available through LDC for \$1,500.</p>	<p>See above</p>
<p>DARPA Air Travel Information System (ATISO) Speaker-Dependent Training Data, December 1990 and September 1991, NIST Speech Discs 5-3.1 - 5-6.1 (4 discs)</p>	<p>Read general air travel information system domain speech for 10 subjects from Disc 5-1.1 Provides additional data for training speaker-dependent speech recognition systems in the ATIS domain. Recordings were made in an office environment using a head-mounted noise-canceling Sennheiser microphone and Crown PCC-160 table-mounted microphone.</p>	<p>Cost: \$500.</p> <p>Available through: NTIS, LDC.</p> <p>* Complete ATISO set available through LDC for \$1,500.</p>	<p>See above</p>

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
<p>DARPA Multi-Site Air Travel Information System (ATIS2) Corpora, October 1993, NIST Speech Discs 12-1.1 - 12-4.1 (4 discs)</p>	<p>Spontaneous air travel information system corpora collected at 5 research sites using partially or fully-automated ATIS prototype systems to solve air travel planning scenarios. Consists of ~15,000 utterances from ~450 subjects. All utterances have been transcribed and ~10,000 have been annotated with query categorization and canonical reference answers. Also contains test data used in November 1991 and November 1992 ARPA/NIST ATIS benchmark tests. Includes relational database used of flight information for 10 cities. Recordings were made in an office environment using a head-mounted noise-canceling Sennheiser microphone and Crown PCC-160 table-mounted microphone.</p>	<p>Cost: \$2,500. Available through: LDC.</p>	<p>See above</p>
<p>ARPA Multi-Site Air Travel Information System (ATIS3), February 1994, NIST Speech Discs 17-1.1 - 17-5.1 (5 discs)</p>	<p>Spontaneous air travel information system corpora collected at 5 research sites using partially- or fully-automated ATIS systems and expanded relational database to solve air travel planning scenarios. Consists of 7,300 utterances from 137 subjects. All utterances have been transcribed and 2,900 have been annotated with query categorization and canonical reference answers. Contains a 1000-utterance development test set. Also contains 2 1000-utterance test sets used in December 1993 and December 1994 ARPA/NIST ATIS benchmark tests. Includes relational data used of flight information for 46 cities. Recordings were made in an office environment using a head-mounted noise-canceling Sennheiser microphone and Crown PCC-160 table-mounted microphone.</p>	<p>Cost: \$5,000. Available through: LDC.</p>	<p>See above</p>

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
<p>Road Rally Conversational Speech Corpora (RDRALLY), September 1991, NIST Speech Disc 6-1.1 (1 disc)</p>	<p>Designed for the development and evaluation of word-spotting systems. Contains 136 speakers. An 80- speaker subset, known as "Stonehenge", involved subjects performing a road-rally planning task using maps and telephone handsets. The handsets were modified to contain a high-quality microphone. The Stonehenge corpus contains a read paragraph and a set of carrier sentences as well as the spontaneous conversations. The remaining 56-speaker portion of the corpus, known as "Waterloo", provides an extension to the Stonehenge and contains only a read passage. All Road-rally data has been filtered with a 300Hz-to-3300Hz PCM FIR bandpass filter. Suggested training and test procedures are included.</p>	<p>Cost: \$500. Available through: NTIS, LDC.</p>	<p>See above</p>
<p>DARPA Switchboard Corpus, Recorded Telephone Conversations, October 1992, NIST Speech Discs 9-1.1, 9-3.1 - 9-29.1 (28 discs)</p>	<p>Recordings of ~2400 five- to ten-minute telephone conversations between ~500 subjects. The subjects, who were located throughout the U. S., were algorithmically connected to conversation partners by an automated "operator" system and prompted to discuss 1 of 70 conversation topics. The conversations were digitized at an 8kHz sample rate and 8-bit mu-law quantization and placed in stereo files with each side of each conversation in a separate channel. NIST has conducted several benchmark tests using portions of the Switchboard corpus.</p>	<p>Cost: \$10,000. Available through: LDC.</p>	<p>See above</p>

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Switchboard Corpus Excerpts, Credit Card Conversations, May 1992, NIST Speech Disc 8-1.2, (1 disc)	Thirty five conversations from the "Switchboard" corpus (Discs 9-X) on the topic of "credit card use". The conversations can be used in training and testing wordspotting systems. Contains 2-channel 8kHz 8-bit mu-law encoded waveforms, time-aligned transcriptions, and target words.	Cost: \$1,000. Available through: LDC.	See above
ARPA SPIDRE Speaker Identification Research (SPIDRE) Corpus, April 1994, NIST Speech Discs 18-1.1 - 18-2.1 (2 discs)	Subset of the "Switchboard" corpus (Discs 9-X) containing 5-minute excerpts from 280 conversations selected for speaker identification research. Designed to contain variable telephone equipment and 45 target speakers. Can be split into separate development test and evaluation test subsets or can be used as a whole.	Cost: \$2,500. Available through: LDC.	See above
ARPA Air Traffic Control Corpus (ATCO), February 1994, NIST Speech Discs 16-1.1 - 16-8.1 (8 discs)	Approximately 70 hours of recordings of controller and pilot radio transmissions collected at three commercial airports. The waveforms are encoded in 8kHz 16-bit linear PCM form and each contain 1 to 2 continuous hours of a single FAA frequency. Files containing a periodic sampling of the amplitude of the AM carrier signal during recording are included. This corpus is used in the research and development of robust speech recognition technology within a constrained domain.	Cost: \$2,500. Available through: LDC.	See above

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
<p>Texas Instruments-Developed 46-Word Speaker-Dependent Isolated Word Corpus (TI46), September 1991, NIST Speech Disc 7-1.1 (1 disc)</p>	<p>Designed and collected at TI for use in performance tests of isolated-word speaker-dependent speech recognition systems. Uses a 46-word vocabulary consisting of the digits, alphabet, and 10 editing commands. Consists of 16 speakers (8 males and 8 females) reading 26 of the 46 tokens. The recordings have been split into training and test sets. The waveforms were digitized at a 12.5kHz sampling rate. The recordings were made in a quiet acoustic enclosure using an Electro-Voice RE-16 Dynamic Cardioid mic.</p>	<p>Cost: \$125. Available through: NTIS, LDC.</p>	<p>See above</p>
<p>Texas Instruments-Developed Studio Quality Speaker-Independent Connected-Digit Corpus (TIDIGITS), February 1991, NIST Speech Discs 4-1.1 - 4-3.1 (3 discs)</p>	<p>Designed and collected at TI for use in designing and evaluating algorithms for speaker-independent recognition of connected digit sequences. Contains 326 speakers (111 men, 114 women, 101 children) each speaking ~77 1- to 11-digit sequences. The waveforms were digitized at 20kHz with a 10kHz anti-aliasing filter. The recordings were made in a quiet acoustic enclosure using an Electro-Voice RE-16 Dynamic Cardioid mic.</p>	<p>Cost: \$750. Available through: LDC, NTIS.</p>	<p>See above</p>
<p>Frontiers in Speech Processing: Robust Speech Analysis '93, September 1993, NIST Speech Disc 15-1.1 (1 disc)</p>	<p>Research notes, algorithms, and data developed at the 1993 summer workshop in speech processing hosted by the Center for Computer Aids for Industrial Productivity (CAIP) at Rutgers University from July 6 to August 13, 1993.</p>	<p>Cost: \$30. Available through: LDC, NTIS.</p>	<p>See above</p>

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TITLE	DESCRIPTION	ORDERING INFORMATION	CONTACT INFORMATION
Frontiers in Speech Processing: Robust Speech Analysis '94, August 1995, NIST Speech Disc 24-1.1 (1 disc)	Research notes, algorithms, and data developed at the 1994 summer workshop in speech processing hosted by the Center for Computer Aids for Industrial Productivity (CAIP) at Rutgers University from July 5 through August 13, 1994.	Cost: \$30. Available through: LDC, NTIS.	See above
NIST Special Publication 500-224, Stable Implementation Agreements for Open System Environment	A report addressign agreements on interoperability in opn computer systems which result from discussions at Open Systems Environment Implementations' Workshops, co-sponsored quarterly by NIST nd the IEEE Computer Society, to build consensus on issues related to open systems environments.	Cost - \$15.	Conference Department, IEEE Comoputer Society 1730 Massachusetts Avenue, N.W. Washington, D.C. 20036-1992 (202) 371-1013

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