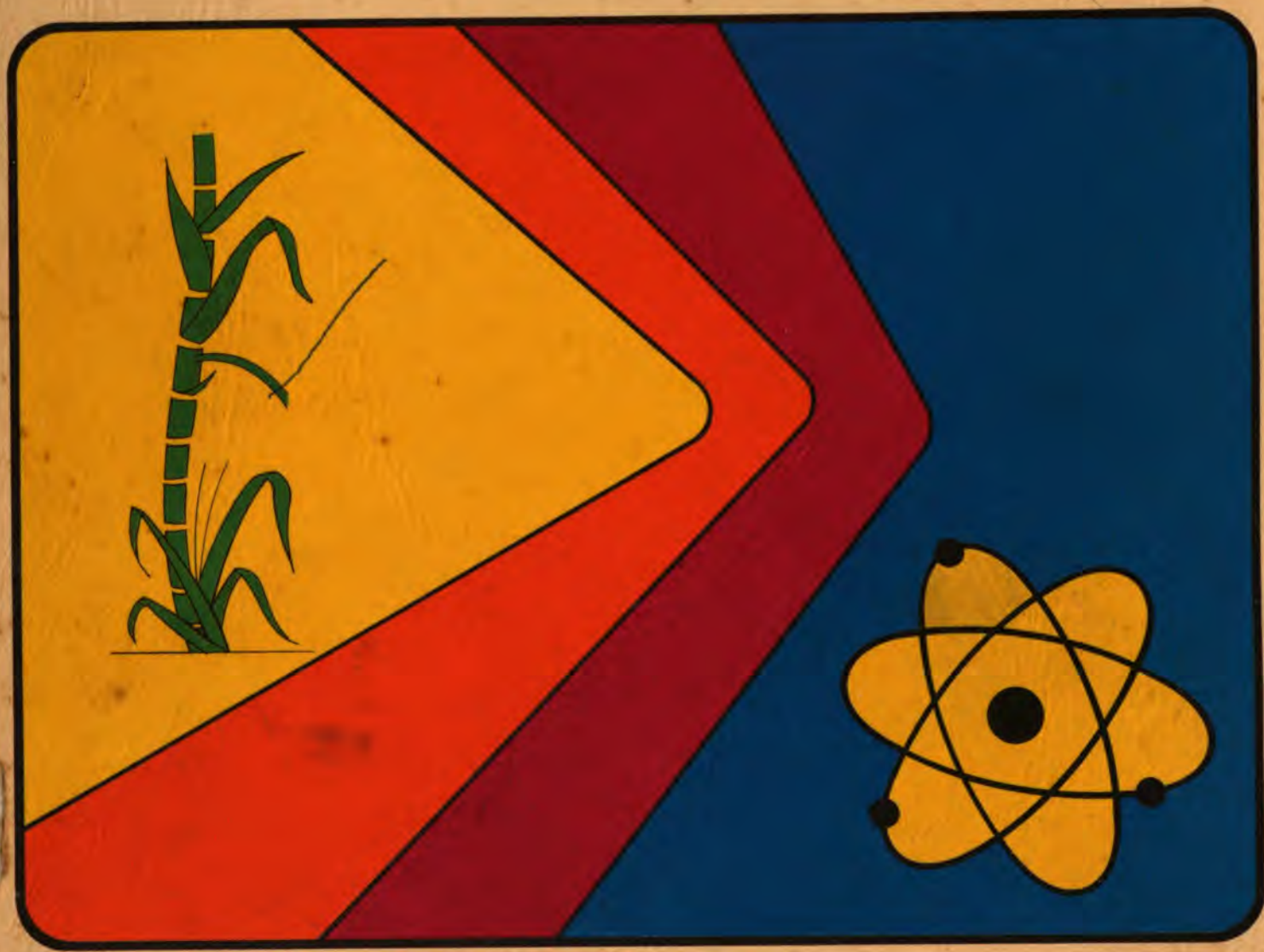


BIOMASA

Y OTRAS FUENTES NO CONVENCIONALES DE ENERGIA

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IICA. Centro Interamericano de Documentación e
Información Agrícola.

Biomasa y otras fuentes no convencionales de
energía : bibliografía. -- San José, Costa Rica
1980.

264 p. -- (Documentación e información agrí-
cola ; no. 79)

ISSN 0301-438X

1. Recursos energéticos - Bibliografía.
I. Título. II. Serie.

AGRIS/AGRINTER P05 ○

Dewey 333.7016

BIOMASA

IICA-CIDIA

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INTRODUCCION

Ante la crisis energética mundial creada por la continua y desmedida alza del petróleo y sus derivados, cuyo efecto directo se refleja en el desbalance económico creado a los países tanto industrializados como en desarrollo, es imperativa la necesidad de investigar nuevas fuentes energéticas, de preferencia renovables, capaces de sustituir a las fuentes convencionales no renovables de origen fósil.

En los países desarrollados se considera la energía nuclear como posible fuente energética del futuro, aunque también se investigan otras alternativas "de transición" y que son las fuentes de naturaleza orgánica renovables, relacionadas con la agricultura.

En realidad el sector agrícola aporta en la mayoría de nuestros países hasta un 30% de la energía primaria a partir del carbón vegetal, la leña y residuos vegetales como el bagazo de la caña de azúcar. Sin embargo es evidente que al presente, no se ha desarrollado de manera racional el real potencial del agro como una fuente alternativa de energía renovable.

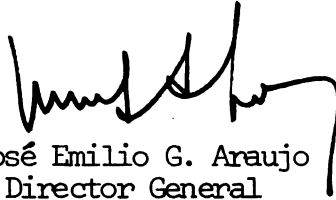
Por otro lado es importante destacar que posiblemente existen muchos recursos de origen agrícola aún no explotados, cuyo aprovechamiento podrán contribuir a la solución de la crisis energética, pero que en el momento se hace necesario llevar a cabo los estudios e investigaciones que faciliten su utilización. En este sentido es loable mencionar las investigaciones del Profesor M. Calvin, de la Universidad de Berkeley, California, USA, en una planta euforbiácea, *Euphorbia sp.*, de la cual existen aproximadamente 2.000 especies y que son propias de regiones semi-áridas. Estas producen un látex de composición hidrocarbonada, el cual puede ser convertido en combustible. Igualmente el mismo científico menciona la existencia en Brasil de un árbol, *Copaifera langsdorffii*, capaz de producir un aceite de propiedades similares al diesel.

La jojoba, *Simonsia chinensis*, es otra planta de regiones semi-áridas cuyas semillas contienen un aceite capaz de sustituir muchos productos derivados del petróleo, inclusive como lubricante de motores.

En América Latina se destaca el esfuerzo del Brasil, cuyo modelo energético se basa en la producción de alcohol etílico a partir de biomasa de caña de azúcar, yuca, sorgo azucarero y otros productos agrícolas. Se está utilizando el etanol como sustituto de la gasolina, en forma parcial (mezclas etanol-gasolina) o total (alcohol solo). El metanol (de la madera) y aceites vegetales se consideran como otros productos "energéticos" de gran potencial futuro.

El IICA tiene como meta inmediata estimular y apoyar los esfuerzos de los países de América Latina y el Caribe en la exploración de nuevas fuentes alternativas bio-energéticas. Estamos seguros que los extraordinarios esfuerzos que están desarrollando los países encontrarán una respuesta tendiente a aliviar y solucionar la crisis energética actual por medio de un mecanismo que considere fundamentalmente los recursos propios de cada país o región.

San José, Costa Rica
Agosto 1980



José Emilio G. Araujo
Director General

METODOLOGIA

Los documentos registrados en la presente base de datos fueron identificados en la búsqueda retrospectiva realizada en fuentes primarias y secundarias existentes en las Bibliotecas del Instituto Interamericano de Ciencias Agrícolas-IICA, y la contribución de literatura de instituciones nacionales e internacionales.

La descripción bibliográfica de los documentos para esta base de datos se realizó de acuerdo con la metodología del AGRINTER. Para la categorización de los documentos se estructuró un esquema propio, asimismo como para los productos. También se elaboró un vocabulario controlado para la indización de la información.

El uso frecuente de sl (sin lugar), se (sin editor), sf (sin fecha), es debido a la carencia de esta información en las fuentes secundarias analizadas.

El procesamiento electrónico de validación, creación de la base de datos e impresión se realizó con base en el "software" del AGRINTER, modificado para el manejo de la categorización específica sobre biomasa y otras fuentes no convencionales de energía.

Los registros bibliográficos se encuentran organizados por categorías de materias, dentro de ellos, en orden alfabético de autores y numerados en orden consecutivo. La elaboración de índices de palabras claves, de autores, de instituciones - de publicaciones periódicas, facilitan una rápida recuperación de la información.

La base de datos incluye 4777 referencias de documentos: libros, artículos de publicaciones periódicas, tesis, trabajos presentados a reuniones, congresos, informes, etc. sobre el tema. Esta información se encuentra también almacenada en cinta magnética de computadora, en un formato compatible con el formato del sistema AGRINTER.

Los documentos que se encuentran disponibles en las Bibliotecas del IICA se indican por medio de los símbolos * XL (documento original) y *---XL (solamente compendio)

ORGANISMOS COOPERANTES

Expresamos nuestro reconocimiento a los organismos que han cooperado en la creación de esta base de datos, facilitando información de sus propias bases de datos o documentos originales.

- . US Michigan State University
- . US Department of Agriculture National Agricultural Library
- . Centros de Enlace AGRINTER en los países y organismos especializados participantes de los Sistemas Nacionales de Información Agrícola. Se destaca el aporte de Brasil (BINAGRI y PLANALSUCAR) y de Colombia (SNICA).

La cooperación de la Dirección y Representación en los Estados Unidos de América y Canadá, a través de la participación directa del Dr. Michael Moran en la captación de información, ha sido vital para elaborar una base de datos selectiva y actualizada. Los Dres. Gilberto Pérez, Rifo Bazán y Antonio Aguirre, asesoraron la categorización de materias y otros aspectos de la elaboración de la base de datos.

INSTRUCCIONES PARA OBTENER LOS DOCUMENTOS

1. Los documentos que se señalan con los símbolos *XL (documento original) y *---XL (compendio), se pueden obtener en el IICA-CIDIA a través del Servicio de Fotocopias (US\$0.20 por página correo incluido).

Centro de Documentación e Información Agrícola,
IICA-CIDIA, Unidad de Reproducción de Documentos,
Turrialba, Apartado 74, Costa Rica.

2. También puede obtener los documentos dirigiéndose, en forma directa, a la institución que los publicó originalmente.
3. Los Centros Nacionales de Enlace del AGRINTER, pueden colaborar con usted en la obtención de los documentos, en particular los generados en el país de publicación de los mismos:

ARGENTINA	: Biblioteca Central, Facultad de Agronomía, Universidad de Buenos Aires, Avda. San Martín 4453, 1417 Buenos Aires
BOLIVIA	: Biblioteca, Ministerio de Asuntos Campesinos y Agropecuarios, La Paz
BRASIL	: Biblioteca Nacional da Agricultura - BINAGRI, Setor Comercial Norte, Quadra/2 Bloco/E, Caixa Postal - 102432, 70.710 - Brasília/DF
COLOMBIA	: Biblioteca Agropecuaria de Colombia, Instituto Colombiano Agropecuario, Apartado Aéreo 151123, Bogotá
COSTA RICA	: Centro Nacional de Información Agropecuaria, Apartado 10094, San José
CHILE	: Biblioteca, Instituto de Investigaciones Agropecuarias, Casilla 5427, Santiago
ECUADOR	: Biblioteca, Facultad de Ingeniería Agronómica y Medicina Veterinaria, Universidad Central, Quito
EL SALVADOR	: Biblioteca, Facultad de Ciencias Agronómicas, Universidad de El Salvador, Apartado 747, San Salvador
GUATEMALA	: Biblioteca, Facultad de Agronomía, Universidad de San Carlos, Apartado 1545, Guatemala
HAITI	: Bibliothèque, Faculté d'Agronomie et de Médecine Vétérinaire, Port-au-Prince

- HONDURAS : Centro de Documentación e Información Agrícola, Secretaría de Recursos Naturales, Apartado 309, Tegucigalpa, D. C.
- JAMAICA : Library, Ministry of Agriculture, P.O. Box 480, Kingston
- NICARAGUA : Biblioteca, Instituto Nicaraguense de Tecnología Agropecuaria, Apartado 2648, Managua
- PANAMA : Biblioteca, Facultad de Agronomía, Universidad de Panamá, Apartado 3368, Panamá 4
- PARAGUAY : Biblioteca, Dirección de Investigación y Extensión Agropecuaria y Forestal, Ministerio de Agricultura y Ganadería, Casilla de Correos 825, Asunción
- PERU : Biblioteca Agrícola Nacional, Universidad Nacional Agraria, Apartado 456, La Molina, Lima
- REP. DOMINICANA : Centro Nacional de Documentación e Información Agropecuaria, Secretaría de Estado de Agricultura, Santo Domingo
- TRINIDAD Y TOBAGO : Library, University of the West Indies, St. Augustine
- URUGUAY : Biblioteca, Centro de Investigaciones Agrícolas "Alberto Boerger", Casilla de Correos 1217, Montevideo
- VENEZUELA : Servicio de Bibliotecas y Documentación, Centro Nacional de Investigaciones Agropecuarias, Apartado 4653, Maracay

EQUIPO DEL CIDIA QUE PARTICIPO EN LA

ELABORACION DE LA BASE DE DATOS

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Análisis y organización del documento:

Laura Coto

Mayela Orozco

Carmen Villegas

Carmen de Acuña

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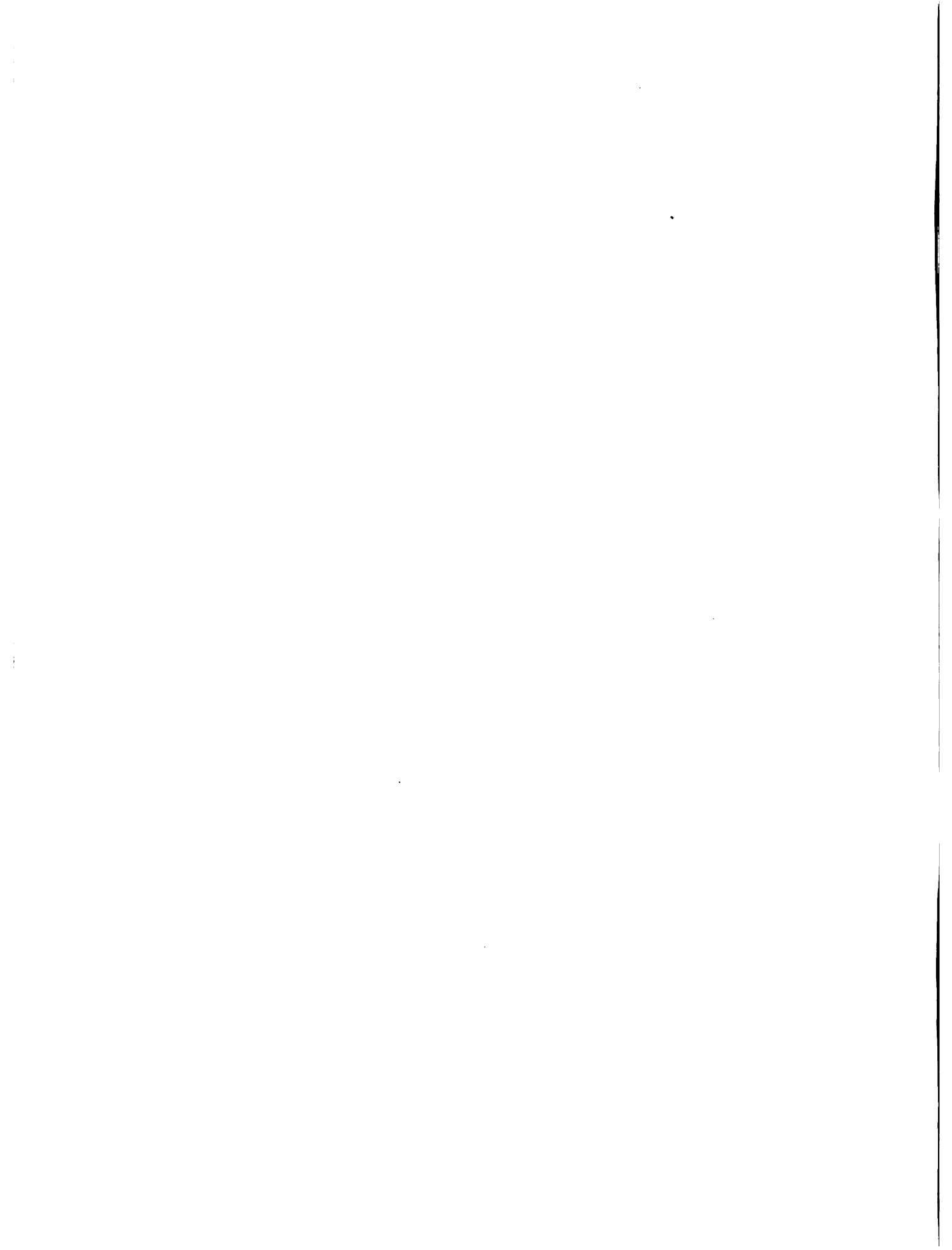
Zaida Soto

Luis F. Mata

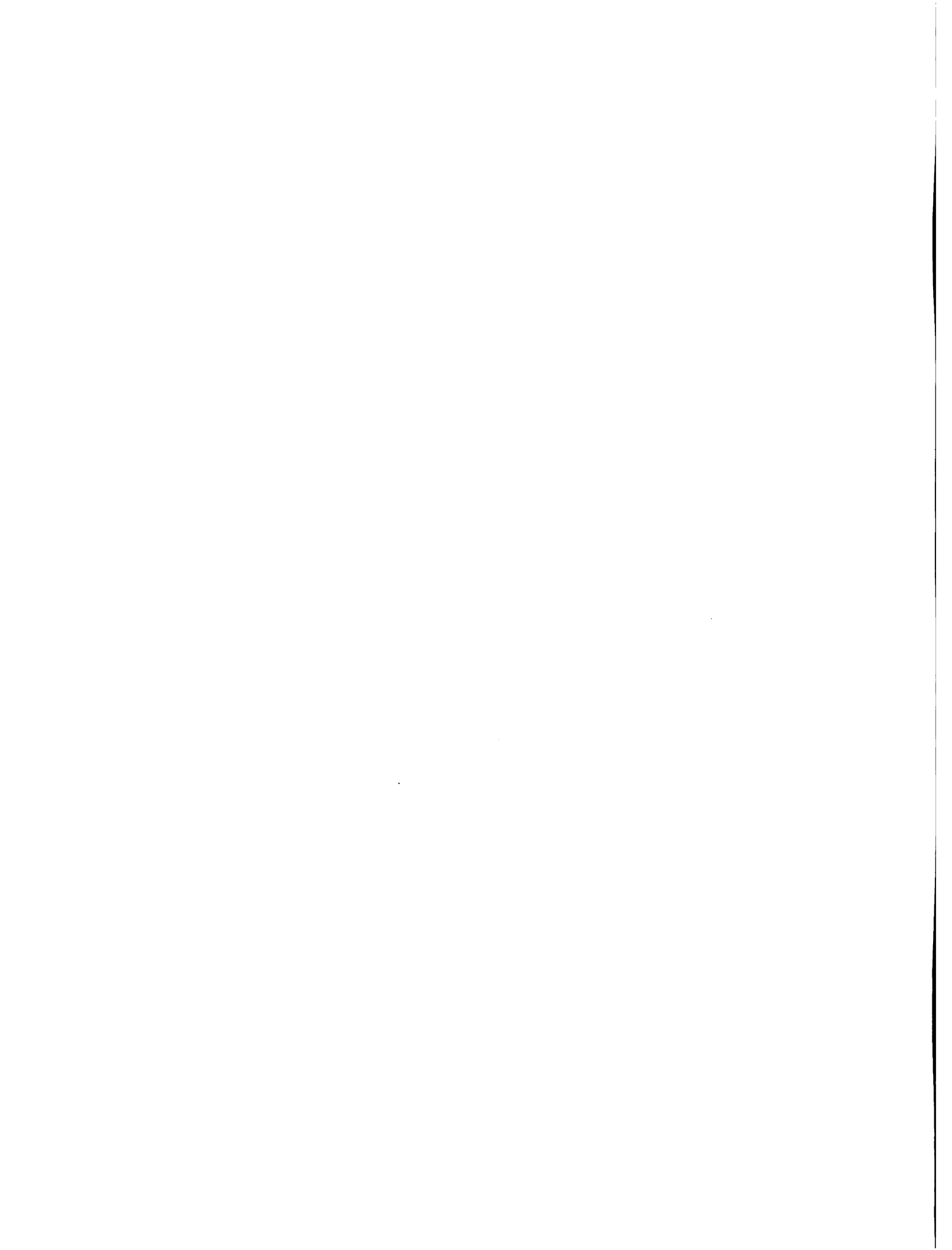
Análisis, programación y control del proceso de

computación:

Domingo Morales



DOCUMENTOS ANALIZADOS



A00 Energía general

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2580	2581	2582	2583	2584	2586	2587	3536	3537	3539	3540	3541	3542	3543
2588	2589	2590	2591	2593	2597	2598	3545	3547	3548	3549	3551	3552	3553
2599	2600	2601	2602	2606	2607	2608	3554	3555	3556	3557	3558	3559	3560
2609	2610	2611	2612	2613	2614	2615	3562	3563	3566	3567	3570	3571	3573
2619	2620	2621	2623	2627	2635	2636	3574	3575	3576	3577	3578	3582	3583
2641	2642	2644	2647	2648	2650	2654	3584	3585	3586	3587	3588	3589	3591
2655	2658	2659	2661	2662	2663	2664	3592	3599	3600	3601	3603	3604	3607
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2988	2989	2990	2991	2992	2993	2994	3873	3876	3877	3878	3881	3882	3883
2995	2996	2998	2999	3001	3003	3004	3884	3886	3887	3888	3889	3891	3892
3008	3009	3010	3012	3013	3016	3017	3896	3897	3898	3900	3901	3907	3909
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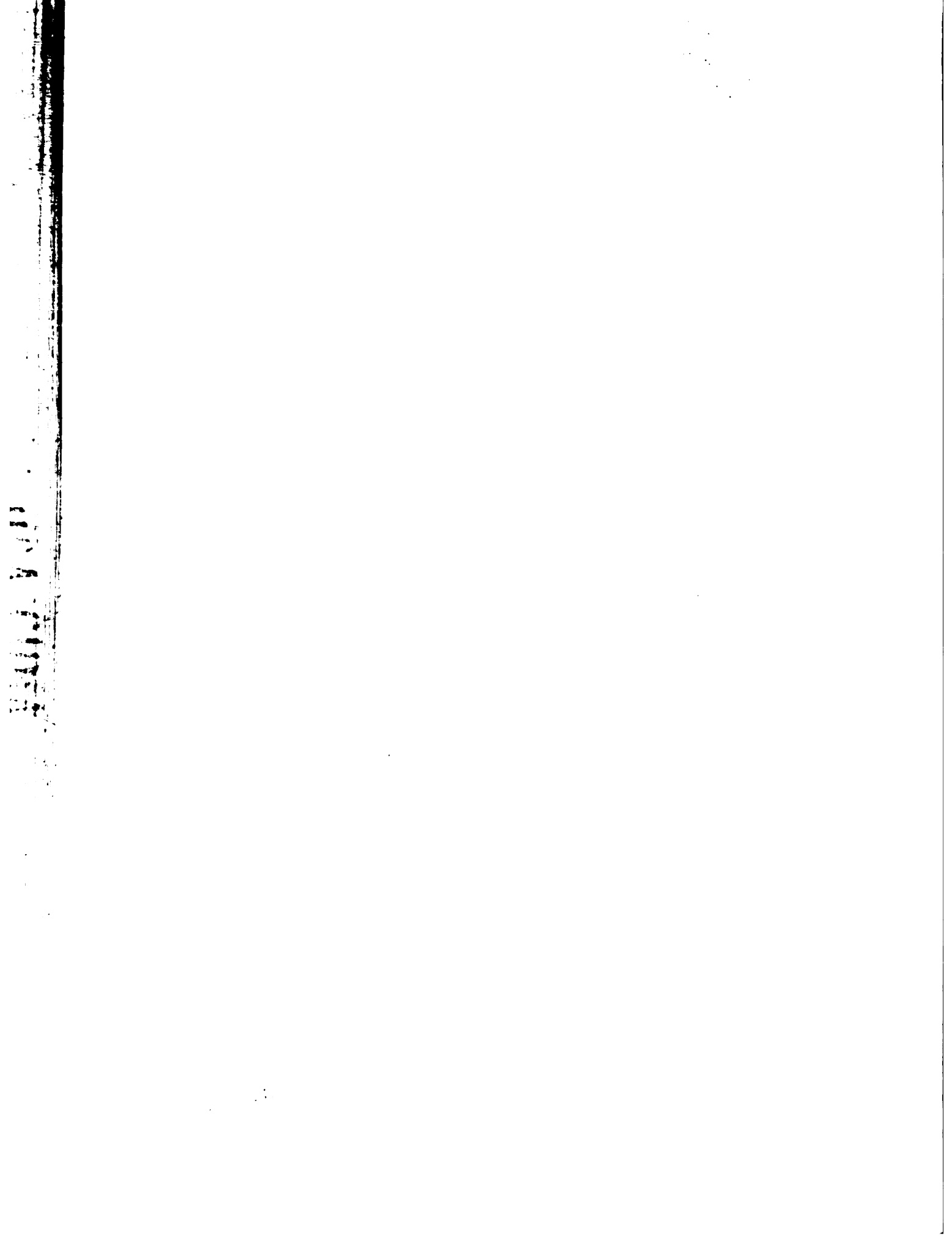
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- Centre de Recuperation de la Communaute
Urbaine de Quebec, Quebec City (Canada)
2519.
- Centro de Tecnologia PRCBON, Rio de Janeiro
(Brasil)
1793.
- Centro Nacional de Pesquisa de Milho e Sorgo
(Brasil)
3987.
- City College of the City Univ. of New York,
New York, N. Y. (EUA). Physics Dept.
1083.

- City of Ames Public Works, Ames, Iowa (EUA)
254C.
- City of Auburn, Auburn, Maine (EUA). Dept.
of Public Works
257E.
- City of Detroit, Michigan (EUA).
Environmental Protection and Maint. Dept.
3077.
- City of Madison, Wisconsin (EUA). Dept. of
Public Works, Div. of Engineering
304E.
- City of Santa Clara, San José and Santa
Clara, California (EUA)
2537.
- City of Seattle, Cedar River Watershed,
Washington, (EUA). Dept. of Lighting
155E.
- City of Silca Springs, Silca Springs,
Arkansas (EUA)
307E.
- City of Tacoma, Washington (EUA)
0893.
- Clemson Univ., Clemson, South Carolina
(EUA). Agricultural Engineering Dept.
313A.
- Clemson Univ., Clemson, South Carolina
(EUA). School of Forestry and
Recreational Resources
1303.
- Clemson Univ., South Carolina (EUA)
3191.
- Colorado Energy Research Inst., Golden,
Colorado (EUA)
2589.
- Colorado School of Mines, Golden (EUA)
2588.
- Colorado State Univ., Fort Collins
02E7.
- Colorado State Univ., Fort Collins (EUA)
0307, 3217, 324E.
- Colorado State Univ., Fort Collins, Colorado
(EUA). U.S. Dept. of Agriculture Natural
Resource Research Div.
0640.
- Colorado State University (EUA)
4473.
- Colorado State University, Fort Collins
(EUA)
3180, 3184, 3185, 3417.
- Columbia Univ., New York (EUA)
2602.
- Columbia Univ., New York (EUA). School of
Engineering and Applied Science
1917.
- Columbia Univ., New York, N.Y. (EUA).
College of Physicians and Surgeons, Dept.
of Biochemistry
3594.
- Columbia Univ., New York, N.Y. (EUA). Dept.
of Chemical Engineering and Applied
Chemistry
1032.
- Columbus Laboratories, Ohio (EUA)
3089.
- College of Agriculture, Lubbock, Texas (EUA)
2391.
- College of the Holy Cross, Worcester,
Massachusetts (EUA)
25E2.
- Combustion Engineering Inc., Detroit,
Michigan (EUA). C-1 Resource Recovery
System
3077.
- Combustion Equipment Associates, Inc., East
Bridgewater, Massachusetts (EUA)
2599.
- Combustion Power Co., Inc., Cosmopolis,
Washington (EUA)
3123.
- Combustion Power Co., Inc., Palo Alto,
California (EUA)
3053, 3076, 3862.
- Combustion Power Co., Longview, Washington
(EUA)
3863.
- Comisión Especial del Combustible Nacional,
La Habana (Cuba)
4089.
- Comissao Estadual de Planejamento Agrícola,
Sao Luiz (Brasil)
1803.
- Comissao Executiva Nacional do Alcool, Rio
de Janeiro (Brasil)
1152.
- Comissao Nacional de Fiscalizacao de
Entorpecentes - Alcool (Brasil)
1805.
- Commission Internationale des Industries
Agricoles (Francia)
315E.
- Comissao Internationale des industries
agricoles (Francia)
3384.
- Comissao Internacional das Industrias
Agricolas (Francia)
3157.
- Confederacao Nacional do Comercio (Brasil)
1888.
- Conselho Federal do Comercio Exterior
(Brasil)
1809.
- Conselho Nacional de Pesquisas, Brasilia
(Brasil)
0633.
- Consumat Systems, Inc., Richmond, Virginia
(EUA)
3107.
- Consumers Power Co.
0120.
- Container Co. of America, Georgia, Florida
(EUA)
1107.
- Corn Refiners Association Inc. (EUA)
0124.
- Cornell Univ., Ithaca, N.Y. (EUA)
0855, 3008.
- Cornell Univ., Ithaca, New York (EUA)
4602.
- Cornell Univ., Ithaca, New York (EUA).
Biochemistry, Molecular and Cell Biology
1388.
- Cornell Univ., Ithaca, New York (EUA). Dept.
of Agricultural Engineering
3201.
- Cornell Univ., Ithaca, NY (EUA)
1343, 3200.
- Cornell Univ., New York, NY (EUA)
1283.
- Corporación Costarricense de Desarrollo, San
José (Costa Rica)
1811, 1812.
- Correio Paulistano, Sao Paulo, SP (Brasil)
1813.
- Cotton Inc., Raleigh, North Carolina (EUA)
2392.
- Council for Agricultural Science and
Technology, Ames, Iowa (EUA)
0025, 0128, 0129, 0166, 0339, 0579,
0585, 0622, 0645, 0677, 0760.
- Council for Agriculture Science and
Technology, Ames, Iowa (EUA)
0130.
- Council on Environmental Quality (EUA)
4475.
- County of Dutchess, Poughkeepsie, New York
(EUA). Dept. of Solid Waste Management
2528.
- Crows Zellerbach, Oyak, Washington (EUA).
Northwest Wood Products Div.
3718.
- Chalmers Tekniska Hogskola, Gotetorg
(Suecia)

1554.
Charles F. Nettering Res. Lab., Yellow Springs, Chic (EUA)
1432.
- Charles F. Nettering Research Lab., Yellow Springs, Chic (EUA)
3902.
- Charles F. Nettering Research Lab., Yellow Springs, Ohio (EUA)
1205, 1289.
- D'Wayne L. Le Ziel, Clear Lake, Minnesota (EUA)
3161.
- Earl South College, Hanover, New Hampshire (EUA). Tayer School of Engineering
3724, 3787.
- DeKalb AgResearch, DeKalb, Illinois (EUA)
3885.
- Den Kongelige Veterinaer og Landbohojskole, Copenhagen (Dinamarca)
3166.
- Denver Regional Council of Governments, Denver, Colorado (EUA)
3054.
- Departamento Nacional de Ilustración, Bogotá (Colombia)
3699.
- Department of Army, Fort McCoy, Wisconsin (EUA)
3843.
- Department of Army, Texarkane, Texas (EUA)
3842.
- Department of Energy, Washington, DC (EUA). Office of Highway Systems
1261.
- Department of Engineering and Lighting, Seattle, Wash. (EUA)
2969.
- Department of Environmental Management, Lane County, Oregon (EUA). Solid Waste Management Div.
3072.
- Department of Environmental Management, Stoughton, Massachusetts (EUA). Bureau of Solid Waste Disposal
2557.
- Department of Environmental Management, Worcester County, Massachusetts (EUA). Bureau of Solid Waste Disposal
2556.
- Department of Public Works, Albany, New York (EUA)
3064.
- Department of Public Works, Baltimore, Maryland (EUA)
2525.
- Department of Roads, Lincoln, Nebraska (EUA)
1889.
- Dept. of Agronomy and Range Science
2407.
- Dept. of Army, Fort Stewart, Georgia (EUA)
3841.
- Dept. of Chemical Engineering
3321.
- Dept. of Energy, Washington, DC (EUA). Office of Policy and Evaluation
1928.
- Dept. of General Services, Sacramento, California (EUA)
2908.
- Dept. of Public Works, Berkeley, California (EUA)
3068.
- Dept. of Public Works, Long Beach, California (EUA)
3049.
- Dept. of Public Works, San Valley, California (EUA). Bureau of Sanitation
3476.
- Dept. of Water and Power, San Valley, California (EUA)
3476.
DESPARMET
1848.
Domestic Technology Inst., Lakewood, Colorado (EUA)
3287.
Eow Chemical Co., Midland, Michigan (EUA)
1513.
Dynatech R/D Co., Cambridge, Ma. (EUA)
1059.
Dynatech R/D Co., Cambridge, Massachusetts (EUA)
3079, 3264.
Dynatech Research and Development Co., Cambridge, Mass. (EUA)
3263.
E.I. du Pont de Nemours and Co. Inc., Aiken, South Carolina (EUA)
4503.
Earth Cyclers, Edwall, Washington (EUA)
3261.
East Bridgewater Associates, East Bridgewater, Massachusetts (EUA)
2599.
Ecobiology Associates, Worcester, Massachusetts (EUA)
2582.
Ecoenergetics, Inc., Richmond, California (EUA)
0839.
Ecotope Group, Monroe, Washington (EUA)
3160.
Ecotope Group, Seattle, Washington (EUA)
4474.
Edward C. Jordan Co., Winslow, Maine (EUA)
3061.
EMBRAPA, Brasilia (Brasil). Centro Nacional de Pesquisa de Mandioca e Fruticultura
1771.
Emory Univ., Atlanta, Georgia (EUA). Dept. of Biology
1389.
Energen Ltd., Pineville, Louisiana (EUA)
3771.
Energy Conservation Research
0203.
Energy Products of Idaho, Coeur d'Alene, Idaho (EUA)
3085.
Energy Research and Development Administration (EUA)
0215.
Energy Research and Development Administration, Washington, DC (USA)
4494.
Energy Resources Co. Inc., Cambridge, Mass. (EUA)
2975.
Enviroteca Co./BSP Div., Duluth, Minnesota (EUA)
3057.
Envirotech Co., Riceboro, Georgia (EUA). BSP Div.
2901.
Ergonomi Design Ab, Erosua (Suecia)
0752, 0937.
Escola Superior de Agricultura "Luiz de Queiroz", Piracicaba (Brasil)
1683.
Estación Experimental Agrícola de Tucumán, San Miguel de Tucumán (Argentina)
1871.
Eugene Water and Electric Board, Eugene, Oregon (EUA)
3672.
Falha da Manhã, Recife, (Brasil)
0232.
Falha da Manhã, Rio de Janeiro, RJ (Brasil)
1879.
FAO, Roma (Italia)
0235, 4243, 4425.

- Federal Energy Administration, Washington, DC (EUA)
CE63, 3t02.
- Fjarvarne Ab, Trosa (Suecia)
C624.
- Florida Solar Energy Center, Cape Canaveral, Florida (EUA)
4068.
- Florida State Univ., Tallahassee, Florida (EU). Dept. of Ecological Science and Institute of Molecular Biophysics
1269.
- Food and Agriculture Organization of the United Nations, Rome (Italia)
0243, C673.
- Food and Energy Council
0244.
- Forest Fuels, Inc., Acene, New Hampshire (EUA)
3674.
- Forest Products Laboratory, Madison, Wis. (EU)
2758.
- Forest Products Research Society
2949.
- Forest Products Research Society (EUA)
3713.
- Forest Service
2956.
- Fourply, Inc., Grants Pass, Oregon (EUA)
3657.
- FTPT, Campinas (Brasil)
2404.
- Fuel and Lubricant Research Inst., Technical Research Center
40C1.
- Fuel Conversion Project "Biomass", Yuba City, California (EUA). Eicoss Co.
1157.
- Garrett Energy Research and Engineering Co. Inc., Claremont, Calif. (EUA)
C669.
- Garrett Energy Research and Engineering Co., Inc., Sanicrd, California (EUA)
1223.
- Garrett Energy Research and Engineering, Inc., Cjai, California (EUA)
2555.
- General Electric Co., New York, NY (EUA)
2558.
- General Electric Co., Philadelphia, Pennsylvania (EUA). Fe-Entry and Environmental Systems Div.
0968.
- General Electric Co., Schenectady, N. Y. (EUA)
3264.
- General Electric Co., Schenectady, New York (EU). Corporate Research and Development
3671.
- General Electric Co., Syracuse, New York (EUA). Controlled Environment Agriculture Operatic Electric Systems Div.
1426.
- Georgia Inst. of Technology, Atlanta (EUA)
1232, 1532.
- Georgia Inst. of Technology, Atlanta, Georgia (EU). Engineering Experiment Station
3256.
- Georgia Inst. of Technology, Atlanta, Georgia (EUA). Georgia Technical Research Inst.
C967, 3011.
- Georgia Inst. of Technology, Cumming, Georgia (EUA). Engineering Experiment Station
3223.
- Georgia Inst. of Technology, Fulton County, Georgia (EU). Engineering Experiment Station
2590.
- Georgia Institute of Technology, Atlanta, Georgia (EUA). Engineering Experiment Station
3960.
- Georgia Kraft Co., Georgia, Florida (EUA)
1107.
- Georgia Univ. (EUA)
3203.
- Georgia Univ., Athens (EUA)
3242.
- Georgia Univ., Tifton (EUA)
3218.
- Gore and Storrie, Ltd., Toronto, Ontario (Canada)
2568.
- Gorham International, Inc., Gorham, Maine (EUA)
3806, 4201.
- Goteborgs Universitet (Suecia)
3508.
- Governo do Estado de Sao Paulo (Brasil). Secretaria da Agricultura
1910.
- Graduate School
1002.
- Greenhills Center and Experimental Station, Cedar Hills, Texas (EUA)
3521.
- Greenhills Center, Cedar Hill, Texas (EUA)
1446, 3629.
- Groton BioIndustries Development Co., Groton, Massachusetts (EUA). Div. of Groton Associates, Inc.
1009.
- Grondler Crasher and Pulverizer Co., St. Louis, Missouri (EUA)
3093.
- Gruusan Aerospace Corp.
C291.
- Gruusan Ecosystems Co., Melville, New York (EUA)
3124.
- Guaranty Fuels, Inc., Bayport, Minnesota (EUA)
291C.
- Guaranty Performance Co., Inc., Bayport, Minnesota (EUA)
2910.
- Gulf Oil Chemicals Co., Pittsburg, Kansas (EUA)
2816.
- Hamilten Standard, Bartow, Florida (EUA)
3208.
- Hamilton Standard, Kumer Feedlot, Mcnfcrt of Colorado (EUA)
3382.
- Hardwood Sawmill Techniques
2922.
- Harvard University, Cambridge, Mass. (EU)
1339.
- Harwood Sawmill Techniques
3349.
- Hebrew Univ. of Jerusalem (Israel)
1037.
- Henningson, Durham and Richardson, Inc., Omaha, Nebraska (EUA)
3047.
- Hilo Coast Processing Co., Pepeekeo, Hawaii (EUA)
2672.
- Hydrovag Ab, Burtrask (Suecia)
3762.
- Idaho Univ., Moscow (EUA)
0377, 1254.
- Illinois Farm Bureau (EUA)
3560.
- Illinois Inst. of Technology, Chicago (EUA)
0563.
- Illinois Univ., Urbana (EUA)
1068, 2542, 2593, 3122, 3144, 3145,

- 3165, 3165, 3493, 3495.
 Imperial Valley Eicgas Project, Brawley,
 California (EUA)
 3269.
 Indian Council of Agricultural Research
 3362.
 Institut for Innovationsteknik, Estocolmo
 (Suecia)
 3727.
 Institute of Agricultural Engineering and
 Utilization
 4754.
 Institute of Gas Technology
 2575.
 Institute of Gas Technology (EUA)
 2553, 3551.
 Institute of Gas Technology, Chicago, Ill.
 (EUA)
 2809.
 Institute of Gas Technology, Chicago,
 Illinois (EUA)
 6958, 1293, 2827, 3439- 3442.
 Institute of Gas Technology, Chicago,
 Illinois and Sao Paulo, Brazil
 2574.
 Institution of Chemical Engineers, New South
 Wales Group, Sydney (Australia)
 4034.
 Instituto Brasileiro de Siderurgia (Brasil)
 0365.
 Instituto Costarricense de electricidad, San
 José (Costa Rica). Dirección de
 Electrificación
 4356.
 Instituto Cubano de Investigaciones de los
 Derivados de la Caña de Azúcar, La
 Habana. Grupo Refino
 2492.
 Instituto Cubano de Investigaciones de los
 Derivados de la Caña, de Azúcar, La
 Habana. Departamento de Investigaciones
 Azucareras
 2491.
 Instituto de Açúcar e do Alcool, Rio de
 Janeiro (Brasil)
 1724.
 Instituto de Física, Sao Paulo, SP (Brasil)
 3307.
 Instituto de Pesquisas Tecnológicas, Sao
 Paulo, SP (Brasil)
 3366.
 Instituto de Pesquisas, Estudos, e
 Assessoria de Congressos, Brasília
 (Brasil)
 3367.
 Instituto de Tecnologia de Alimentos, Sao
 Paulo (Brasil)
 2838.
 Instituto de Tecnología e Industrias de la
 Madera, Santiago (Chile)
 1409.
 Instituto do Açúcar e do Alcool (Brasil)
 1951.
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 1952.
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 1953- 1956, 1962.
 Instituto de Açúcar e do Alcool (Brasil)
 1963, 3102, 4109.
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 Janeiro, RJ (Brasil). Seção Estatística
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 Janeiro, RJ (Brasil)
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 Janeiro, RJ (Brasil). Comissão Executiva
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 Janeiro, RJ (Brasil). Serviço de
 Estatística e Cadastro
 1944.
 InterGroup Consulting Economists, Ltd.,
 Winnipeg, Manitoba (Canada)
 1361.
 International Solar Energy Society
 4534.
 Intertechnology Corp., Barreton, Va. (EUA)
 1215.
 InterTechnology/Solar Co., Warreton,
 Virginia (EUA)
 1214, 2997.
 Iowa Corn Promotion Board, West Des Moines
 (EUA)
 3896.
 Iowa Development Commission, Des Moines,
 Iowa (EUA)
 2223.
 Iowa State Univ. of Science and Technology,
 Ames, Iowa (EUA). Agricultural Experiment
 Station
 3822.
 Iowa State Univ., Ames (EUA). Dept. of
 Agronomy
 3904.
 Iowa State Univ., Ames, Iowa (EUA). Dept. of
 Chemical Engineering
 2428.
 Iowa State University
 0368.
 Iowa State University (EUA)
 3005.
 Iowa State University of Science and
 Technology, Ames (EUA)
 3244, 3792, 3887, 3888, 4745.
 Japan Agency of Industrial Science and
 Technology
 4535.
 Johns Hopkins University, Laurel, Md. (EUA)
 3432.
 Joseph Irton and Associates, Flanders and
 Fairfield, New Jersey (EUA)
 3369.
 Journal do Brasil, Rio de Janeiro, RJ
 1974, 1975.
 K Konsult, Estocolmo (Suecia)
 2530.
 K.W. Nuth Co., Sheboygan, Wisconsin (EUA)
 3795.
 Kansas State Univ., Lawrence, Kansas (EUA).
 Dept. of Forestry
 3803.
 Kansas State Univ., Manhattan (EUA)
 0109, 0754, 2898, 3207, 3722, 3723.
 Kansas State Univ., Manhattan, Kansas (EUA).
 Dept. of Forestry
 1558.
 Kansas State University (EUA)
 0385.
 Kansas State University, Manhattan (EUA)
 0234.
 Karolinska Inst., Estocolmo (Suecia)
 1075.

- Eckhans Construction Ab, Eoganas (Suecia)
2853.
- Eckhans Eretqisjsten Ab, Balso (Suecia)
1244.
- Kungliga Tekniska Hogskolan, Estocolmo
(Suecia)
0085.
- Kungliga Tekniska Hogskolan, Estocolmo
(SUECIA)
3701.
- Kungliga Tekniska Hogskolan, Estocolmo
(Suecia)
3998, 4007, 4008, 4015.
- La Tierra, Buenos Aires (Argentina)
1999.
- League of Women Voters (EUA)
0421.
- Liga Agricola Industrial de la Caña de
Azúcar (Costa Rica). Comisión de Alcohol
4138.
- Los Angeles Bureau of Sanitation, Los
Angeles, California (EUA)
2524.
- Los Angeles County Sanitation Dist., Long
Beach, California (EUA)
3045.
- Louisiana State Univ., Baton Rouge (EUA)
0853, 2951, 3690.
- Louisiana State Univ., Baton Rouge,
Louisiana (EUA). Graduate School
2054.
- Louisiana State Univ., Baton Rouge (EUA)
2868.
- Louisiana State Univ., Hesser (EUA). North
Louisiana Hill Farm Experiment Station
2958.
- Lunds Kretivarveserik Ab, Falck (Suecia)
1536.
- Lunds Universitet (Suecia)
3612.
- Lynchburg Farms Ltd., Cassing, Nova Scotia
(EUA)
3115.
- M. LeMatteo Construction Co., Saugus,
Massachusetts (EUA)
2572.
- MacMillan Elwood Ltd., Icwel Rivers,
British Columbia (Canada)
3823.
- Maine Judokan Society, Falmouth, Maine (EUA)
5847.
- Maine Judokan Society, Portland (EUA)
3655.
- Maine Office of Freig Resources, Augusta,
Maine (EUA). State House
3153.
- Maine Univ., Orono (EUA)
0651, 3028.
- Maine Univ., Winslow Hall, Orono (EUA)
3749.
- Manchester Guardian Commercial
2046.
- Banha, Rio de Janeiro (Brasil)
2047.
- Manitoba Forestry Resources Ltd., The Pas,
Manitoba (Canada)
3661.
- Barelco Inc., Alexandria, Virginia (EUA)
3329.
- Barelco, California and Florida (EUA)
3328.
- Martin Marietta Corp., Baltimore, Maryland
(EUA)
1296.
- Martin Marietta Labs., Baltimore, Maryland
(EUA)
0952.
- Maryland Environmental Service, Annapolis,
Maryland (EUA). State of Maryland
2613.
- Maryland Environmental Service,
Cockeysville, Maryland (EUA)
3065.
- Massachusetts Inst. of Technology,
Cambridge, Massachusetts (EUA). Dept. of
Nutrition and Food Science
2846.
- Massachusetts Institute of Technology,
Cambridge (EUA). Dept. of Biology
1451.
- Massachusetts Univ., Amherst (EUA)
3826.
- Mathtech, Inc., Princeton, New Jersey (EUA)
1099.
- Metropolitan Service District, Creighton City
(EUA)
4219.
- Miami Univ., Florida (EUA)
0743.
- Michigan State Univ., East Lansing (EUA)
0995, 3202.
- Michigan State Univ., East Lansing, Michigan
(EUA). Dept. of Agricultural Engineering
3033.
- Michigan State Univ., East Lansing, Michigan
(EUA). Dept. of Forestry
1250.
- Michigan State University, East Lansing,
Mich. (EUA). Biophysics Department
1471.
- Michigan Technological Univ., Houghton (EUA)
2867, 2973.
- Michigan Technological Univ., Houghton,
Michigan (EUA). Dept. of Forestry
2402, 3424.
- Middlesex Associated, Toronto (Canada)
0467.
- Midwest Research Inst., Braintree,
Massachusetts (EUA)
2560.
- Midwest Research Inst., Burlington, Vermont
(EUA)
3727.
- Midwest Research Inst., Kansas City,
Missouri (EUA)
1089, 1109.
- Midwest Research Inst., Kansas City, Mo.
(EUA)
1331, 3952.
- Midwest Research Inst., Missouri (EUA)
2918.
- Midwest Research Inst., South Charleston,
West Virginia (EUA)
3055.
- Midwest Research Inst., St. Louis, Missouri
(EUA)
4104.
- Midwest Research Institute
0892.
- Midwest Research Inst., Kansas City, Mo.
(EUA)
3950.
- Ministerio da Agricultura (Brasil)
4769.
- Ministerio da Industria e Comercio, Rio de
Janeiro (Brasil). Secretaria de
Tecnologia Industrial
3291.
- Ministerio da Industria e Comercio, Rio de
Janeiro, RJ (Brasil). Secretaria de
Tecnologia Industrial
3292.
- Ministerio da Industria e do Comercio
(Brasil)
3293.
- Ministerio das Minas e Energia (Brasil)
0473.
- Ministerio de Industria e Comercio (Brasil)
4175.
- Ministerio de Industria e do Comercio
(Brasil)

3294.
 Ministerio de Minas y Energia, Bogotá
 (Colombia)
 0255, 0256, 0257.
 Ministry of International Trade and
 Industry, Tokyo (Japan)
 4573.
 Ministry of the Environment Resource
 Recovery Branch, Toronto, Ontario (EUA)
 3041.
 Minnesota Univ., Duluth (EUA)
 3761.
 Minnesota Univ., Minneapolis (EUA)
 3009, 3104, 3409, 3830.
 Minnesota Univ., St. Paul (EUA)
 3149, 3161.
 Minnesota University (EUA). Faculty of the
 Graduate School
 3074.
 Minnesota, Univ., St. Paul (EUA)
 0015.
 Mississippi State University (EUA)
 3131.
 Missouri Univ., Columbia (EUA)
 3096, 3120, 3172.
 Missouri Univ., Columbia (EUA)
 3239.
 MIRE Co., Aiken, South Carolina (EUA).
 Retrex Div.
 3608.
 Mire Co., Bedford, Massachusetts (EUA)
 0428.
 MIRE Co., McLean Virginia (EUA). Retrex
 Div.
 3834.
 MIRE Co., McLean, Virginia (EUA). Retrex
 Div.
 2250.
 MIRE Co., Virgin Islands (EUA)
 3063.
 MIRE CCEI.
 4574.
 Mire Corp., McLean, Va. (EUA)
 1417, 2557.
 Mobil Research and Development Corp.,
 Paulsboro, New Jersey (EUA)
 2369.
 Monsanto Research Co., Dayton, Ohio (EUA).
 Dayton Lab.
 3051.
 Monsanto Research Corp., Dayton, Ohio (EUA)
 2538, 2564.
 Montana Energy Research and Development
 Inst., Hutte and Carter, Montana (EUA)
 3177.
 Montana State Univ., Bozeman (EUA)
 3221, 3372, 3533.
 Montana State University (EUA)
 3295.
 Montana Univ., Missoula (EUA)
 3838.
 Packard Industries, Inc., Ann Arbor, Michigan
 (EUA)
 3754.
 Morris Wajner Ltd., Toronto, Ontario
 (Canada)
 2931.
 Municipality of Metropolitan Toronto,
 Ontario (Canada)
 2568.
 Mustang Oil Co., Tulsa, Oklahoma (EUA)
 3073.
 Naciones Unidas, New York, NY (EUA)
 4501.
 Naciones Unidas, Nueva York, NY (EUA)
 4451, 4525, 4540, 4547, 4548.
 NASA Langley Research Center, Hampton,
 Virginia (EUA). Facilities Systems
 Section
 2546.
 Nashville Thermal Transfer Co., Nashville,
 Tennessee (EUA)
 2573.
 National Academy of Sciences
 0194, 2880.
 National Academy of Sciences (EUA)
 0217.
 National Academy of Sciences Washington,
 D.C. (EUA)
 3479.
 National Academy of Sciences, Washington, DC
 (EUA)
 0389, 0494-0496, 0999, 4582.
 National Aeronautics and Space
 Administration, Bay St. Louis,
 Mississippi (EUA). National Space
 Technology Lab.
 1073.
 National Center for Energy Management and
 Power, Philadelphia, Penn. (EUA)
 4583.
 National Center for Resource Recovery, Inc.,
 New Orleans, Louisiana (EUA)
 3045.
 National Center for Resource Recovery, Inc.,
 Washington, DC (EUA)
 3042.
 National Committee on Science and Technology
 0497.
 National Science Foundation, Washington, DC
 (EUA)
 0499, 1444, 1445, 3802, 4584.
 National Technical Information Service,
 Springfield, Va. (EUA)
 2974.
 Natural Dynamics, Des Moines, Iowa (EUA)
 2550, 3401.
 Naval Facilities Engineering Command,
 Alexandria, Virginia (EUA) Environmental
 Quality Div.
 2607.
 Naval Weapons Center, China Lake, California
 (EUA)
 3052.
 Neill and Gunter, Ltd., Ontario, Quebec
 (Canada)
 2929.
 Nevada Univ., Reno (EUA)
 1337.
 New Alchemy Institute West, Emmaus (EUA)
 0506.
 New Life Farm, Inc., Drury, Missouri (EUA)
 3447.
 New Life Farm, Inc., Drury, Missouri (EUA)
 3446.
 New Mexico Solar Energy Inst., Las Cruces,
 New Mexico (EUA)
 1046.
 New Mexico State Univ., Las Cruces (EUA)
 2291, 3732.
 New Mexico State Univ., Las Cruces (EUA)
 3733.
 New York State Agricultural Experiment
 Station, Geneva (EUA)
 2842.
 New York State College of Agriculture and
 Life Sciences, Ithaca, N.Y. (EUA)
 0855.
 New York State Department of Health, Albany,
 N.Y. (EUA) Div. of Laboratories and
 Research
 1116.
 New York State Dept. of Health, Albany, N.Y.
 (EUA). Div. of Labs. and Research
 1044.
 New York State Univ., Buffalo (EUA)
 1047, 3323.
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 3086.
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 Dept.

1225.
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1756.
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0317.
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3815.
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3020.
- North Carolina State Government, Raleigh (EUA)
3805.
- North Carolina State Univ., Raleigh, North Carolina (EUA). Dept. of Wood and Paper Science
1904.
- North Carolina State Univ., Raleigh, North Carolina (EUA). Hardwood Research Cooperative School of Forestry
3606.
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3623.
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3237, 3726.
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2956.
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0459, 3422, 3587.
- North Dakota State Univ., Fargo, North Dakota (EUA). Botany and Agronomy
0858.
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0458.
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3061.
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3807.
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3357.
- Northland Associates Ltd., St. John's Newfoundland (EUA)
3659.
- Northwestern University, Evanston, Ill. (EUA). Dept. of Biochemistry and Molecular Biology
1314.
- NOVO Labs. Inc., Wilton, Connecticut (EUA)
2835.
- NYC Resource Recovery Task Force, New York (EUA)
1245.
- NYC Resource Recovery Task Force, Staten Island, New York (EUA)
3377.
- NYS ERIP, Staten Island, New York (EUA)
3377.
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2595.
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1390.
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3126, 3169.
- OASIS 200C, Rice Lake, Wisconsin (EUA)
3360.
- Office of Air Programs
3487.
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0391, 2970, 2971, 3258.
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1408.
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1393, 3058.
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4467.
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2826.
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3182.
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3747.
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1564.
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1323.
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1493, 2939, 2941, 3215.
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3686.
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3760.
- Organización de las Naciones Unidas para el Desarrollo Industrial
4592, 4593.
- Organización Latinoamericana de Energía
0525.
- Osby Varne AB (Suecia)
3095.
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3209.
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3113.
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1122, 1345, 3023, 3136.
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1560.
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3137.
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 C039, 2219.
 Pennsylvania State Univ. (EU)
 1346.
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 1972.
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 3591, 3610.
 Princeton Univ., New Jersey (EUA)
 3043, 3132, 3133.
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 C837.
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 2844.
 Purdue Univ., West Lafayette, Ind. (EUA)
 C577, 2845, 3162, 3163, 3165.
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 Biological Sciences, Lilly Hall of Life
 Sciences
 1156.
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 3164.
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 1263.
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 Lab. of Renewable Resources Engineering
 2334.
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 School of Agriculture Biochemistry
 1297.
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 Dept. of Ecological Sciences
 1170.
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 C903.
 Pyro Sol, Inc., Redwood City, California
 (EUA)
 3078.
 Ralph B. Harsons Co., Pasadena, Calif. (EUA)
 C940.
 Randall Co., Blytheville, Arkansas (EUA)
 3066.
 Rayburn Co., San Francisco, California
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 3125.
 Raycier (Canada) Ltd., Squasish, British
 Columbia (Canada)
 1235.
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 Raytech Co. Spencer Lab.
 3048.
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 Vista, Florida (EUA)
 1071.
 Regional Development Fund, Umea (Suecia)
 2591.
 Regional Municipality of Hamilton-Wentworth,
 Hamilton, Ontario (Canada) Dept. of
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 Environmental Engineering
 3271.
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 (EUA). Dept. of Chemistry
 1489.
 Research Inst. on Environmental Development,
 Wroclaw (Poland)
 3224.
 RESEARCH PLANNING ASSOCIATES, INC.
 1401.
 Reserve Synthetic Fuels, Inc., Rolling
 Hills, California (EUA)
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 Resource Planning Ass., Inc., Washington
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 C847.
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 1324.
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 Center, Clay Center, Nebraska (EUA).
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 3188.
 Rosebud, California (EUA). Research and
 Development
 2579.
 Royal College of Forestry, Estocolmo
 (Suecia)
 1559, 3568.
 SCYAI SWEDIS ACADEMY OF SCIENCES
 C607.
 Rust Engineering Co., Waitsfield, Vermont
 (EUA)
 3639.
 Rutan Research, Stillwater, Minn. (EU)
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 1060.
 S B I International, California (EUA)
 3128.
 Sala Innovation AB, Strangnas (Suecia)
 4057.
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 Saskatchewan (EUA)
 3858.
 Saskatchewan Power Co., Regina, Saskatchewan
 (Canada). Gas Research and Development
 Centre
 3121.
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 1424.
 SCES Engineers, Inc., Bilsington, California
 (EUA)
 3522.
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 California and Bellevue, Washington (EUA)
 1006.
 Science Applications, Inc., McLean, Virginia
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 SCM Co., Fargo, Georgia and Bayard, Florida
 (EUA)
 3759.
 SCS Engineers, Inc., Industry Hills,
 California (EUA)
 3523.

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- Siciliano, L. de B. 2269.
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- Skelleftea Municipality, Skelleftea (Suecia) 3664.
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 0015, 0139, 0234, 0238, 0267, 0307, 0377, 0391, 0424, 0458, 0459, 0467, 0484, 0563, 0596, 0624, 0632, 0640, 0651, 0681, 0743, 0752, 0754, 0764, 0853, 0869, 0910, 0915, 0937, 0940, 0945, 0962, 0966, 0995, 1002, 1037, 1047, 1052, 1055, 1056, 1065, 1068, 1075, 1103, 1122, 1136, 1160, 1165, 1181, 1184, 1189, 1215, 1232, 1244, 1251, 1252, 1254, 1255, 1265, 1278, 1283, 1296, 1303, 1304, 1311, 1337, 1338, 1342-1346, 1352, 1417, 1424, 1427, 1440, 1442, 1450, 1453, 1502, 1513, 1521, 1532, 1536, 1554, 1559, 1563, 2219, 2251, 2394, 2395, 2400, 2401, 2421, 2526, 2527, 2530, 2533, 2535, 2538, 2542, 2550, 2551, 2554, 2580, 2583, 2584, 2586, 2588, 2591, 2593, 2602, 2610, 2650, 2664, 2661, 2689, 2703, 2713, 2717, 2734, 2806, 2819, 2823, 2824, 2826, 2828, 2829, 2842, 2844, 2845, 2850, 2853, 2860, 2868, 2887, 2888, 2890, 2891, 2892, 2915, 2918, 2932, 2938-2941, 2947, 2954, 2955, 2957, 2966, 2970, 2971, 2973, 2975, 2988, 2989, 2991, 2992, 3003, 3008, 3009, 3016, 3023, 3028, 3082, 3084, 3095, 3096, 3104, 3113, 3114, 3120, 3122, 3128, 3130-3133, 3136, 3139, 3141, 3144, 3145, 3145, 3154, 3162, 3163, 3165, 3166, 3168, 3172, 3180, 3181, 3184, 3185, 3191, 3193, 3194, 3200, 3202, 3203, 3207, 3215, 3217-3221, 3224, 3221, 3234, 3237-3239, 3241, 3242, 3244, 3246, 3248, 3255, 3256, 3259, 3263, 3265, 3284, 3323, 3326, 3329, 3332, 3372, 3396, 3401, 3449, 3447-3419, 3422, 3432, 3450, 3451, 3466, 3493, 3495, 3508, 3510, 3513, 3540-3543, 3567, 3612, 3613, 3630, 3635, 3650, 3651, 3653, 3655, 3664, 3666, 3660, 3665, 3690, 3693, 3701, 3708, 3710, 3715, 3722, 3723, 3726, 3722, 3733, 3737-3739, 3749, 3757, 3761, 3762, 3767, 3768, 3773, 3774, 3777, 3782, 3785, 3792, 3796, 3805, 3808, 3822, 3826, 3830, 3835, 3838, 3844, 3860, 3869, 3873, 3878, 3877, 3888, 3909, 3911, 3950, 3952, 3964, 3967, 3968, 3960, 3998, 4007, 4008, 4015, 4084, 4097, 4111, 4467, 4503, 4556, 4675, 4660, 4742, 4743, 4745.
- Sociedade Brasileira para o Progresso da Ciencia, Sao Paulo (Brasil) 1582.
- Sociedade Nacional de Agricultura, Rio de Janeiro (Brasil) 2286.
- Sodra Skogsagarna, Varjo (Suecia) 3650.
- Solar Energy Research Inst., Denver, Colorado (USA) 3235.
- Solar Energy Research Inst., Golden Colorado (USA). Technology Commercialization Div. 0487.
- Solar Energy Research Inst., Golden, Colorado (USA). Biological and Chemical Conversion Branch Research Div. 0877, 0936, 1396.
- Solar Energy Research Inst., Golden, Colorado (USA). Economics and Market Analysis Branch Analysis and Assessment Div. 2996.
- Solar Energy Research Inst., Golden, Colorado (USA). Economics and Marketing Analysis Branch Analysis and Assessment Div. 0944.
- Solar Energy Research Inst., Golden, Colorado (USA). Technology Commercialization Div. 0934.
- Solar Energy Research Institute, Golden, Colo. (USA). Biological and Chemical Conversion Branch Research Div. 3595.
- Solid Waste Management Board, California (USA) 3038.
- Solid Waste Program, Cuyahoga County, Ohio (USA). Sanitary Engineering Dept. 3059.
- Sonoco Products Co., Hartsville, South Carolina (USA) 2869.
- Southeastern Public Service Authority of Virginia, Norfolk, Virginia (USA) 2539.
- Southern California Edison Co. 2579.
- Southern California Edison Co., Rosemead, California (USA). Research and Development 3449, 3467.
- Southern California Gas Co., Brawley (USA) 3209.
- Southern Regional Education Board, Atlanta (USA) 0656.
- SFI International Energy Center, Menlo Park, California (USA) 1005.
- SFI International, Menlo Park, California (USA). Energy Center 0919, 2981.
- SFI International, Menlo Park, California (USA). Life Sciences Div. 2431.
- St. Paul Port Authority, St. Paul, Minnesota (USA) 2577.
- St. Regis Paper Co., New York (USA) 3744.
- STAR Technology Ltd., Ottawa (Canada) 1728.
- Stanford Research Institute 4536.
- Stanford Research Institute, Menlo Park, (USA) 1444.

- Stanford Research Institute, Menlo Park, Calif. (EUA)
1445.
- STANFORD RESEARCH INSTITUTE, Menlo Park, Calif. (EUA)
4627.
- Stanford Univ., California (EUA)
0910, 3466.
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3053.
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3017.
- Stanford University, California (EUA). Dept. of Chemistry
1128.
- State Div. of Int. and Research, Albany, N.Y.
0945.
- State Natural Energy Inst., Honolulu, Hawaii (EUA)
1055.
- State of Illinois, Springfield, Illinois (EUA). Dept. of Agriculture, Bureau of Soil and Water Conservation
2055.
- State Solid Waste Management Div., Harrisburg, Pa. (EUA)
1136.
- State Univ. of New York, Inherst (EUA). School of Engineering and Applied Science Dept. of Chemical Engineering
2852.
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3867.
- State University and Columbus College System of Tennessee, Nashville (EUA)
2533, 3221.
- State University System of Florida
3241.
- State University System of Florida, Belle Glade (EUA)
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2713, 3219, 3238.
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3531.
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2823.
- SII/PIC (Brasil)
3313.
- Stone and Webster Engineering Co., New York (EUA). Process Industries Group
1808.
- Sugar Beet Production Research Unit, Logan, Utah (EUA)
3966.
- Sunny Time Energy, West Union, Iowa (EUA)
2384.
- Sunny Time Foods Inc., Dubuque, Iowa (EUA)
3130.
- Sunny Time Foods, Inc., West Union, Iowa (EUA)
2384.
- SUPERINTERDEZCIA DO DESENVOLVIMENTO AO NORDESTE, Recife (Brasil)
2306.
- Svenska Heterolutveckling Ab, Estocolmo (Suecia)
3141.
- Svenska Utvecklings Ab, Estocolmo (Suecia)
3808, 4111.
- Swedish Inst. of Agricultural Engineering, Uppsala (Suecia)
3220.
- Swedish Logging Res. Foundation, Estocolmo
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1252.
- Swedish Steam Users Assn., Estocolmo (Suecia)
4084.
- Swedish University of Agricultural Sciences
1278, 1352.
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2954, 2955.
- Swedish University of Agricultural Sciences, Umea (Suecia)
3651, 3757.
- Swedish University of Agricultural Sciences, Uppsala (Suecia)
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- Tacoma City Government, Washington, DC (EUA)
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- Tennessee Valley Authority, East Tennessee (EUA). Div. of Forestry, Fisheries and Wildlife Development
3963.
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3769.
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377C.
- Texas A and M Univ.
0658, 0659.
- Texas A and M University, College Station
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0424, 1442, 2395, 2932, 3980.
- Texas Agricultural Experiment Station, Lubbock (EUA). Plant and Soil Science Dept.
2391.
- Texas Tech Univ., Lubbock (EUA)
3194.
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3139.
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2391.
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3464.
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3216.
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2563.
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3233.
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3675.
- Tricil Ltd. Hamilton Plant, Hamilton, Ontario (Canada)
2612.
- Tyrens Fretagsgrupp Ab, Estocolmo (Suecia)
1342.
- U.N. Economic and Social Commission for Asia and the Pacific
4319.
- U.N. Educational, Scientific and Cultural Organization
432C, 4647, 4648.
- U.N. Industrial Development Organization
3021.
- U.S. Department of Agriculture, Washington, DC (EUA). Economic Research Service

0583.
 U.S. Agricultural Research Service
 2884.
 U.S. Army Construction Engineering Research
 Lab., (Champaign, Illinois (EUA). Energy
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 1256.
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 2841.
 U.S. Central Intelligence Agency
 0720.
 U.S. Department of Agriculture, Washington,
 IC
 0249.
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 0946, 3562, 3569.
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 1478, 2336.
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 U.S. Department of Agriculture, Washington,
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 0737.
 U.S. Dept. of Agriculture
 0248, 0721, 3252.
 U.S. Dept. of Agriculture Forest Service
 2962.
 U.S. Dept. of Agriculture Forest Service,
 Houghton, Mich. (EUA). North Central
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 3750.
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 3854.
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 U.S. Dept. of Agriculture, Aiken, S.C.
 3964.
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 Carolina (EUA). Forest Service
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 Southeastern Forest Experiment Station,
 Savannah River Plant
 1454.
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 3003.
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 Administration
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 3171.
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 Station, Forestry Sciences Lab.
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 Wisconsin (EUA). Forest Service
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 2243.
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 3773.
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 Forest Experiment Station
 1295, 3772.
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 Louisiana (EUA). Forest Service Southern
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 3771.
 U.S. Dept. of Agriculture, Portland, Oregon
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 3680.
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 Central Forest Experiment Station
 3693, 3873.
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 3694.
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 Service
 2388.
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 3785.
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 3961.
 U.S. Dept. of Agriculture, Washington, D.C.
 3878.
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 0050, 3234, 4742.
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 (EUA)
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 1563, 2938.
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 3869.
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4765.
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1165.
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4649.
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Administration, Oak Ridge, Tenn. (EUA)
4018.
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- U.S. Energy Research and Development
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- U.S. Energy Research and Development
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2339.
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Louisiana (EUA). Agriculture Research
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2673.
- U.S. Tennessee Valley Authority, Morris
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3322.
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2848.
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of Biochemistry and Biophysics
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1040.
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Calif. (EUA). Dept. of Biology
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1004.
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2650.
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2649.
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1265.
- University System of New Hampshire, Durham,
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- US Environmental Protection Agency,
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3038.
- US Dept. of Agriculture, Aiken, South
Carolina, Olustee, Florida (EUA). Forest
Service Southeastern Forest Experiment
Station
1453.
- USAF Civil and Environmental Engineering
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- Utah Higher Education System, Logan (EUA)
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3966.
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1332.
- Vermont Agency of Environmental
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2627.
- Vermont Agency of Environmental
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3626.
- Virginia Commonwealth University, Richmond,
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1257.
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