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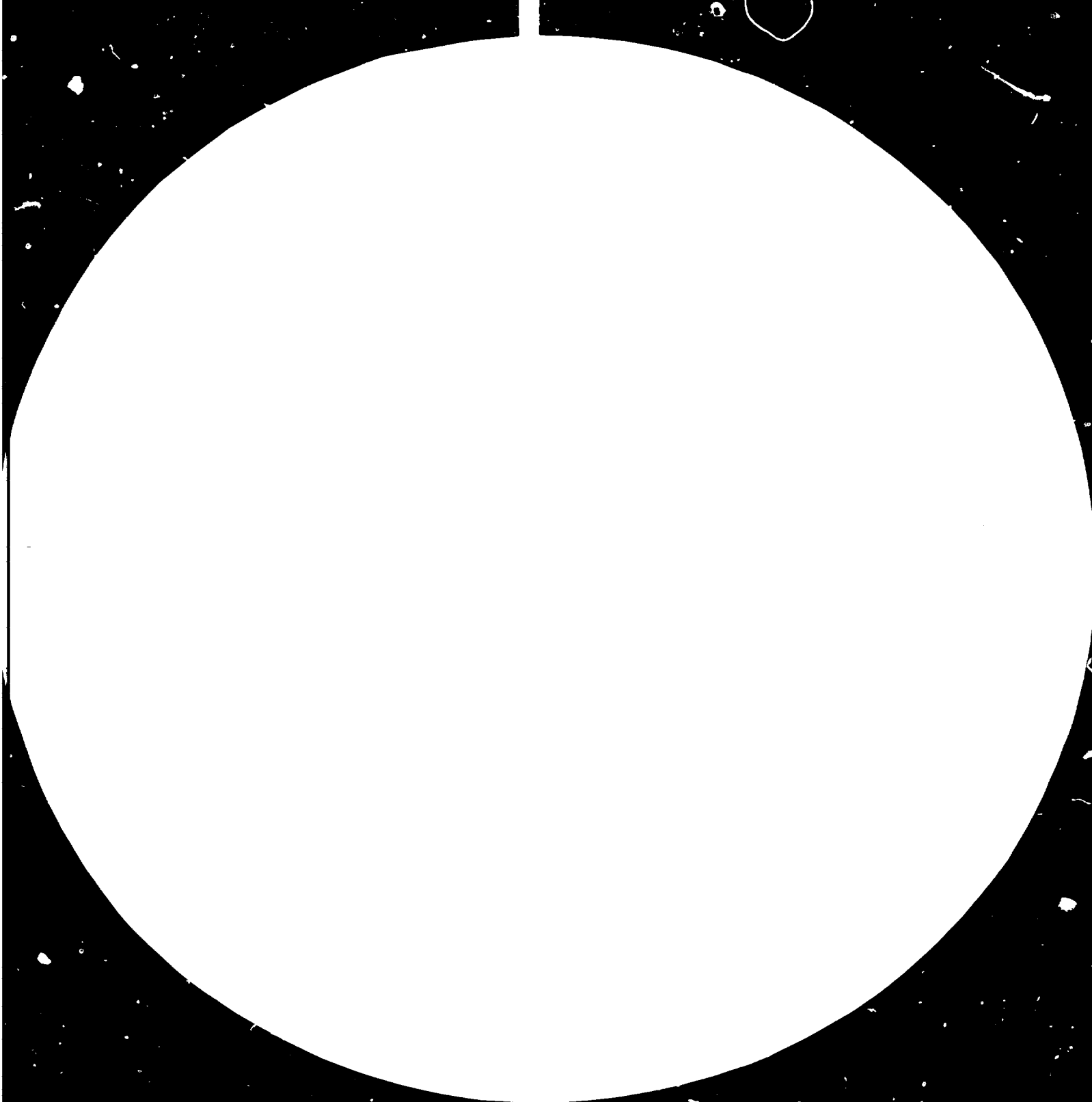
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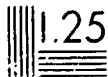
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UNIDO Guides to Information Sources

No. 35

09475

INFORMATION
SOURCES
ON THE
UTILIZATION OF
AGRICULTURAL
RESIDUES FOR
THE PRODUCTION
OF PANELS,
PULP AND PAPER



UNITED NATIONS

000105

UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION
Vienna

UNIDO Guides to Information Sources
No. 35

INFORMATION SOURCES
ON THE
UTILIZATION OF
AGRICULTURAL RESIDUES
FOR THE PRODUCTION OF
PANELS, PULP AND PAPER



UNITED NATIONS
New York, 1979

Notations for the utilization of agricultural residues
for the production of panels, pulp and paper

Universal Decimal Classification (UDC)	
Wood waste and by-products	674.8
Straw pulp	676.14
Various grass pulps	676.17
Other fibre pulps	676.18
Plant or vegetable fibres in general. Bast fibres	677.1
Building materials of organic origin: straw, reeds, bamboo	691.12
Papers, pulps and fibreboards	691.14
International Standard Industrial Classification (ISIC)	
Manufacture of pulp, paper and paperboard (strawboard, pulp from vegetable fibre etc.)	3411
Standard International Trade Classification (SITC), Revised	
Pulp and paper	25
Textile fibres (not manufactured into yarn, thread or fabrics)	26
Wood and cork manufactures	63

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PREFACE

The United Nations Industrial Development Organization (UNIDO) promotes the use of industrial information in developing countries by giving guidance in improving local information facilities. As one of the means of promotion UNIDO compiles directories and guides to selected information sources on branches of industry of primary concern to developing countries. The present guide, dealing with the utilization of agricultural wastes for the production of panels and of pulp and paper, is the thirty-fifth in the series of UNIDO *Guides to Information Sources* (UNIDO/LIB/SER.D). A list of the guides published to date appears at the end of this guide; more are planned for the series.

The directories and guides are not intended to be exhaustive, nor are they intended to be research tools; rather, they present sources considered to be of practical value to users. The data have been compiled so as to facilitate rapid access to the bodies referred to and the acquisition of the publications listed.

Many developing countries that do not possess adequate forest reserves have large quantities of ligno-cellulosic material available in the form of crop residues. Some of these materials (bagasse, flax and linseed residues, cereal straws and husks, nut shells etc.) have been successfully used to produce both panels (fibreboard and particle-board) and pulp and paper. An increase in their utilization would replace some of the forest products presently imported, provide employment to surplus labour in rural districts, improve the country's balance of payment and boost the agricultural economy.

To increase the use of agricultural residues and by-products for industrial purposes, it is necessary to develop specialized knowledge in the methods of collecting, handling and converting raw materials. UNIDO has been active in the promotion of utilizing agricultural residues for the production of panels, pulp and paper. It has provided technical assistance, carried out product development work, and helped existing plants overcome their production problems. Furthermore it has convened an expert group on the production of panels from agricultural residues in 1970.

Users of the present guide are also referred to Guides No. 9 *Building Boards from Wood and Other Fibrous Materials* and No. 11 *Pulp and Paper Industry*.

EXPLANATORY NOTES

The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

Publications listed in this guide have been selected mainly from literature in the official languages of the United Nations; when appropriate, publications in other languages have also been included.

The names of organizations and publications are given in their original languages, wherever available; for those listed in languages other than the official languages of the United Nations, a translation of the title into English is included.

Where available, the date and the number of pages of the most recent known edition are given as well as the address of the issuing organization or publisher. In the case of United Nations sales publications the year of publication is indicated as part of the sales number.

Requests for non-sales items that are issued by the United Nations and related bodies should be made direct to the issuing bodies. Sales publications should be ordered by sales number from an authorized distributor or from:

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Publishing Service
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New York, New York 10017
United States of America

or

Sales Section
United Nations Office
Palais des Nations
CH-1211 Geneva 10
Switzerland

Suggestions for the inclusion of additional information in a future, revised version would be appreciated and should be addressed to:

Industrial Documentation Unit
United Nations Industrial Development Organization
P.O. Box 300
A-1400 Vienna, Austria

PREFACE

Pour faciliter la diffusion et l'utilisation de l'information industrielle dans les pays en développement, l'Organisation des Nations Unies pour le développement industriel (ONUDI) aide ces pays à améliorer leurs moyens d'information, notamment en établissant des répertoires et des guides des principales sources d'information sur les secteurs industriels qui présentent pour eux un intérêt majeur. Le présent guide qui concerne l'utilisation des déchets agricoles pour la fabrication de panneaux, de pâte à papier et de papier, est le trente-cinquième de la série des guides des sources d'information (UNIDO/LIB/SER.D). On trouvera en fin de volume une liste des titres déjà parus. D'autres doivent suivre.

Les ouvrages de cette série ne prétendent pas être exhaustifs; ce ne sont pas non plus des instruments de recherche, mais de simples guides des sources d'information considérées comme présentant un intérêt pratique pour les utilisateurs. Les données sont présentées de manière à permettre à ceux-ci de se mettre rapidement en rapport avec les sources d'information mentionnées et d'obtenir les publications auxquelles ils s'intéressent.

Nombre de pays en développement, qui manquent de ressources forestières, disposent en revanche de grandes quantités de matières cellulosiques et ligneuses sous forme de résidus agricoles. Certaines de ces matières (bagasse, résidus du lin et de graines de lin, paille et écorces de céréales, coques de noix, etc.) sont déjà utilisées pour la fabrication de panneaux (panneaux de fibre et panneaux de particules), de pâte à papier et de papier. L'accroissement de leur utilisation permettrait de réduire les importations de certains produits forestiers, d'employer la main-d'œuvre excédentaire des districts ruraux, d'améliorer la balance des paiements du pays et de stimuler l'économie agricole.

Si l'on veut intensifier l'utilisation des résidus et des sous-produits agricoles à des fins industrielles, il faut développer les connaissances spécialisées qu'exigent la collecte, la manutention et la transformation des matières premières. L'ONUDI a toujours encouragé l'utilisation des résidus agricoles pour la fabrication de panneaux, de pâte à papier et de papier. Elle a fourni une assistance technique dans ce domaine, entrepris des travaux de mise au point, aidé les usines à résoudre leurs problèmes de production, et organisé, en 1970, une réunion d'experts sur la fabrication de panneaux à partir de déchets agricoles.

Les utilisateurs du présent guide peuvent également consulter les guides n° 9 "Fabrication de panneaux de construction dérivés du bois et d'autres matières fibreuses" et n° 11 "Industrie de la pâte à papier et du papier".

NOTES EXPLICATIVES

Les appellations employées dans cette publication et la présentation des données qui y figurent n'impliquent de la part du Secrétariat de l'Organisation des Nations Unies aucune prise de position quant au statut juridique des pays, territoires, villes ou zones, ou de leurs autorités, ni quant au tracé de leurs frontières ou limites.

Les publications énumérées dans le présent volume sont pour la plupart rédigées dans les langues officielles de l'Organisation des Nations Unies; toutefois, certains documents publiés dans d'autres langues ont aussi été mentionnés.

Les noms des organisations et les titres des publications sont donnés le plus souvent possible dans la langue originale; les noms des organisations et les titres des publications libellés dans les langues autres que les langues officielles de l'Organisation des Nations Unies ont été traduits en anglais.

Nous avons, aussi souvent qu'il était possible, précisé la date et le nombre de pages de l'édition la plus récente ainsi que l'adresse de l'éditeur ou de l'organisation qui a publié le document. Lorsqu'il s'agit de documents de l'Organisation des Nations Unies, l'année de publication est indiquée avec le numéro de vente.

Les documents de l'Organisation des Nations Unies et des organismes qui lui sont rattachés qui ne portent pas de numéro de vente doivent être demandés directement à l'organisation qui les a publiés. Ceux qui portent un numéro de vente peuvent être commandés à un distributeur autorisé ou à l'une des adresses suivantes, en mentionnant le numéro :

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Section des ventes		Section des ventes
Service des publications	ou	Palais des Nations
New York, N.Y. 10017		CH-1211 Genève 10
(États-Unis d'Amérique)		(Suisse)

Les propositions d'insertion de renseignements complémentaires dans une édition révisée seront prises en considération et devront être envoyées à l'adresse suivante :

Organisation des Nations Unies pour le développement industriel
Groupe de documentation industrielle
Boîte postale 300
A-1400 Vienne (Autriche)

ПРЕДИСЛОВИЕ

Организация ООН по промышленному развитию (ЮНИДО) содействует использованию промышленной информации в развивающихся странах на основе рекомендаций о мерах улучшения местных информационных служб. Одним из средств такого содействия являются справочники и руководства ЮНИДО по отдельным источникам информации по отраслям промышленности, представляющим первоочередной интерес для развивающихся стран. Настоящее руководство по использованию сельскохозяйственных отходов в производстве панелей и целлюлозы и бумаги является тридцать пятым изданием серии *UNIDO Guides to Information Sources (UNIDO LIB, SER. D)*. Список руководств, опубликованных до настоящего времени, приведен в конце этого руководства; планируется дополнительное издание руководств данной серии.

Эти справочники и руководства не ставят своей целью быть исчерпывающими или служить в качестве пособий для проведения исследований, а представляют собой источники, которые могут иметь практическую ценность для потребителей. Данные подобраны таким образом, чтобы облегчить доступ к необходимым материалам и приобретение имеющихся изданий.

Во многих развивающихся странах, не обладающих достаточными лесными ресурсами, имеются огромные количества древесной целлюлозы в виде отходов сельскохозяйственных культур. Некоторые из этих материалов (багасса, остатки льна и льняных семян, солома и шелуха зерновых, ореховая скорлупа и т. д.) успешно используются для изготовления панелей (волоknистых и прессованных плит) и целлюлозы и бумаги. Расширение их использования позволит заменить некоторые импортируемые в настоящее время древесные продукты, дать дополнительные рабочие места избыточному населению в сельской местности, улучшить платежный баланс стран и содействовать дальнейшему развитию сельскохозяйственной экономики.

Для расширения использования сельскохозяйственных отходов и побочных продуктов в промышленных целях необходимо развивать специальные знания и методы сбора, хранения и обработки сырья. ЮНИДО проводит активные мероприятия по содействию использованию сельскохозяйственных отходов в целях производства панелей, целлюлозы и бумаги. Она предоставляет техническую помощь, проводит работу по разработке изделий и помогает существующим предприятиям в решении стоящих перед ними производственных проблем. Кроме того, в 1970 году она создала группу экспертов по производству панелей из сельскохозяйственных отходов.

Издатели настоящего руководства могут также использовать Руководство № 9, *Building Boards from Wood and other Fibrous Materials* и Руководство № 11, *Pulp and Paper Industry*.

ПОЯСНИТЕЛЬНЫЕ ЗАМЕЧАНИЯ

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United Nations Industrial Development Organization
P.O. Box 300
A-1400 Vienna, Austria

PREFACIO

La Organización de las Naciones Unidas para el Desarrollo Industrial (ONUDI) promueve la utilización de información industrial en los países en desarrollo proporcionando orientación para el mejoramiento de los servicios locales de información. Uno de los medios de promoción que emplea la ONUDI consiste en compilar repertorios y guías de fuentes básicas de información sobre ramas de la industria de especial interés para los países en desarrollo. La presente guía, que trata del aprovechamiento de residuos agrícolas para la producción de tableros como también de celulosa y papel, es la trigésima quinta de la serie "Guías de Fuentes de Información" (UNIDO/LIB/SER.D) que publica la ONUDI. Al final de la presente guía figura una lista de las publicadas hasta la fecha. Están previstas otras más en esta serie.

Las publicaciones de esta serie no pretenden ser exhaustivas ni están destinadas a servir de instrumento de investigación, sino que constituyen una selección de fuentes que se consideran de valor práctico para los usuarios. Los datos se presentan de modo que faciliten el rápido acceso a las entidades mencionadas así como la adquisición de las publicaciones que se indican.

Muchos países en desarrollo que no poseen reservas forestales suficientes disponen en cambio de gran cantidad de materiales lignocelulósicos en forma de residuos vegetales. Algunos de esos materiales (bagazo, residuos de lino y de linaza, paja y cascarilla de cereales, cáscara de nuez, etc.) se vienen utilizando con resultados satisfactorios para la producción de tableros (tanto de fibras como de partículas aglomeradas) y de celulosa y papel. Un aumento de su utilización permitiría sustituir algunos de los productos forestales actualmente importados, proporcionar empleo a mano de obra excedente en distritos rurales, mejorar la balanza de pagos e impulsar la economía agrícola.

Para aumentar el empleo de residuos y subproductos agrícolas con fines industriales, es necesario desarrollar conocimientos especiales en cuanto a métodos de recogida, preparación y transformación de las materias primas. La ONUDI promueve activamente el aprovechamiento de residuos agrícolas para la producción de tableros, celulosa y papel. Ha proporcionado asistencia técnica, realizado labores de desarrollo técnico de productos, y ayudado a diversas fábricas a resolver problemas de producción. En 1970 organizó una reunión de expertos en producción de tableros a base de residuos agrícolas.

Se sugiere a los usuarios de esta guía que consulten también las Guías núm. 9 (*Tableros de construcción a base de madera o de otros materiales fibrosos*) y núm. 11 (*Industria de la celulosa y el papel*).

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Los nombres de las organizaciones y publicaciones aparecen en su idioma original, cuando así constan; cuando se dan en idiomas no reconocidos como oficiales dentro de las Naciones Unidas, se incluye la traducción al inglés del título correspondiente.

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(Estados Unidos de América)

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Palacio de las Naciones
CH-1211 Ginebra 10
(Suiza)

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Grupo de Documentación Industrial
Organización de las Naciones Unidas para el Desarrollo Industrial
P.O. Box 300
A-1400 Viena, Austria

SECTION I

PROFESSIONAL, TRADE AND RESEARCH ORGANIZATIONS, LEARNED SOCIETIES AND SPECIAL INFORMATION SERVICES

A. United Nations and related organizations

1. ECONOMIC AND SOCIAL COMMISSION FOR ASIA AND THE PACIFIC (ESCAP)
ASIAN INDUSTRIAL DEVELOPMENT COUNCIL
Sala Santitham, Rajadamnern Avenue
BANGKOK, Thailand
2. ECONOMIC COMMISSION FOR AFRICA (ECA)
JOINT ECA/FAO FOREST INDUSTRIES ADVISORY GROUP FOR AFRICA
P.O. Box 3001
ADDIS ABABA, Ethiopia
3. ECONOMIC COMMISSION FOR EUROPE (ECE)
JOINT ECE/FAO TIMBER DIVISION
Palais des Nations
CH-1211 GENEVA 10, Switzerland
4. ECONOMIC COMMISSION FOR LATIN AMERICA (ECLA)
JOINT ECLA/FAO/BTAO PULP AND PAPER ADVISORY GROUP
Edificio Naciones Unidas, Avenida Dag Hammarskjöld
SANTIAGO, Chile
5. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS (FAO)
FORESTRY AND FOREST INDUSTRIES DIVISION
Via delle Terme di Caracalla
I-00100 ROME, Italy
6. INTERNATIONAL TRADE CENTRE (UNCTAD/GATT)
DOCUMENTATION SERVICE
Palais des Nations
CH-1211 GENEVA 10, Switzerland
7. UNITED NATIONS ENVIRONMENT PROGRAMME (UNEP)
P.O. Box 30552
NAIROBI, Kenya

8. UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION
(UNIDO)
AGRO-INDUSTRIES SECTION
INDUSTRIAL INFORMATION SECTION
P.O. Box 707
A-1011 VIENNA, Austria
9. WORLD HEALTH ORGANIZATION(WHO)
20, avenue Appia
CH-1211 GENEVA 27, Switzerland

B. Other organizations

1. Organizations of international or regional scope

10. AFRICAN GROUNDNUT COUNCIL
P.O. Box 3025
LAGOS, Nigeria
11. ASIAN AND PACIFIC COCONUT COMMUNITY (APCC)
P.O. Box 343
Pantja Niaga Building
94-96 Kramat Raya
DJAKARTA, Indonesia
12. ASIAN AND PACIFIC COUNCIL (ASPAC)
NATIONAL SECRETARIAT OF THAILAND
MINISTRY OF FOREIGN AFFAIRS
ECONOMIC DEPARTMENT
Saranrom Palace
BANGKOK, Thailand
13. ASIAN INSTITUTE OF TECHNOLOGY
ENVIRONMENTAL ENGINEERING DIVISION
P.O. Box 2754
BANGKOK, Thailand
14. ASOCIACION LATINOAMERICANA DE FABRICAS DE TABLEROS
DE FIBRA, DE MADERA Y SIMILARES
Augustinas 1070, piso 4
SANTIAGO, Chile
15. COMITE EUROPEEN DE LIAISON POUR LA CELLULOSE ET LE
PAPIER/EUROPEAN LIAISON COMMITTEE FOR CELLULOSE AND
PAPER
154, boulevard Haussmann
F-75008 PARIS, France
16. COMMONWEALTH AGRICULTURAL BUREAUX (CAB)
Farnham House, Farnham Royal
SLOUGH, Buckinghamshire SL2 3BN, England

17. CONFEDERATION EUROPEENNE DE L'INDUSTRIE DES PATES, PAPIERS ET CARTONS/EUROPEAN CONFEDERATION OF THE PULP, PAPER AND FIBREBOARD INDUSTRIES
14, rue de Crayer
B-1040 BRUSSELS, Belgium
18. EAST AFRICAN AGRICULTURE AND FORESTRY RESEARCH ORGANIZATION
P.O. Box 30148
NAIROBI, Kenya
19. EUROPEAN FEDERATION OF PARTICLE BOARD MANUFACTURERS' ASSOCIATIONS/FEDERATION EUROPEENNE DES SYNDICATS DE FABRICANTS DE PANNEAUX DE PARTICULES
Postfach 5423
Wilhelmstrasse 25
D-6300 GIESSEN, Federal Republic of Germany
20. FEDERATION EUROPEENNE DES FABRICANTS DE PANNEAUX DE FIBRE (FEROPA)/EUROPEAN FEDERATION OF FIBREBOARD MANUFACTURERS' ASSOCIATIONS
59, avenue Roger Vandendriessche
B-1150 BRUSSELS, Belgium
21. GROUPEMENT EUROPEEN DES FABRICANTS DE CELLULOSE
164, boulevard Haussmann
F-75008 PARIS, France
22. INSTITUTO CENTROAMERICANO DE INVESTIGACION Y TECNOLOGIA INDUSTRIAL (ICAITI)
P.O. Box 1552
GUATEMALA CITY, Guatemala
23. INSTITUTO INTERAMERICANO DE CIENCIAS AGRICOLAS
Apartado 10281
SAN JOSE, Costa Rica
24. INTERNATIONAL RICE RESEARCH INSTITUTE (IRRI)
P.O. Box 933
Los Baños
MANILA, Philippines
25. INTERNATIONAL SOCIETY OF SUGAR CANE TECHNOLOGISTS (ISSCT)
Alameda Gabriel Monteiro da Silva 1142
01441 SÃO PAULO, Brazil
26. ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT (OECD)
Château de la Muette
2, rue André Pascal
F-75775 PARIS, cedex 16, France
27. SCANDINAVIAN PULP, PAPER AND BOARD TESTING COMMITTEE
Box 5604
S-114 86 STOCKHOLM, Sweden

28. WEST AFRICA RICE DEVELOPMENT ASSOCIATION
MONROVIA, Liberia

2. Organizations of more restricted scope

For convenience, organizations are listed in this subsection according to the country or area in which they are most active or from which they draw most of their members. The style in which addresses are presented is in accordance with postal requirements. See also the explanatory notes on page vi

Algeria

29. CENTRE NATIONAL DE RECHERCHES ET EXPERIMENTATIONS
FORESTIERES
B.P. 156
Petit-Atlas
ALGIERS
30. MINISTERE DE L'AGRICULTURE
12, boulevard Amirouche
ALGIERS

Angola

31. INSTITUTO DE INVESTIGAÇÃO AGRONOMICA DE ANGOLA
(Agricultural research institute of Angola)
NOVA LISBOA

Argentina

32. ASOCIACION DE TECNICOS DE LA INDUSTRIA PAPELERA Y
CELULOSICA ARGENTINA (ATIPCA)
Belgrano 2852
BUENOS AIRES
33. CENTRO DE INVESTIGACIONES Y ASISTENCIA TECNICA
Patricias Mendocinas 1167
MENDOZA
34. FEDERACION ARGENTINA DE LA INDUSTRIA MADERERA Y
AFINES
Rivadavia 1115
BUENOS AIRES
35. INSTITUTO NACIONAL DE TECNOLOGIA INDUSTRIAL
Libertad 1235
BUENOS AIRES

Australia

36. AUSTRALIAN AND NEW ZEALAND PULP AND PAPER INDUSTRY
TECHNICAL ASSOCIATION (APPITA)
Clunies Ross House
191 Royal Parade
PARKVILLE, Victoria 3052
37. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
ORGANIZATION (CSIRO)
DIVISION OF BUILDING RESEARCH
FOREST PRODUCTS LABORATORY
P.O. Box 310
SOUTH MELBOURNE, Victoria 3205
38. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
ORGANIZATION (CSIRO)
NEW CROPS GROUP
KIMBERLEY RESEARCH STATION
KUNUNURRA, Western Australia 6743
39. WESTERN AUSTRALIAN INSTITUTE OF TECHNOLOGY
ENVIRONMENT STUDIES GROUP
Hayman ROAD
BENTLEY, Western Australia 6102

Austria

40. FACHVERBAND DER PAPIER-, ZELLULOSE-, HOLZSTOFF- UND
PAPPENINDUSTRIE OESTERREICHS (Professional association of the
Austrian paper, cellulose, wood-pulp and paperboard industry)
Gumpendorferstrasse 6
A-1061 VIENNA
41. OESTERREICHISCHES HOLZFORSCHUNGSINSTITUT (Austrian
wood research institute)
Arsenal, Objekt 212
A-1030 VIENNA
42. OESTERREICHISCHE VEREINIGUNG DER ZELLSTOFF- UND
PAPIERCHEMIKER UND TECHNIKER (Austrian federation of
cellulose and paper chemists and technicians)
Gumpendorferstrasse 6
A-1061 VIENNA

Bangladesh

43. FOREST INDUSTRIES DEVELOPMENT CORPORATION
28 Bangabandhu Avenue
DACCA 2

Belgium

44. ASSOCIATION DES FABRICANTS DE PATES, PAPIERS ET CARTONS DE BELGIQUE
14. rue de Crayer
B-1050 BRUSSELS
45. CENTRE DE RECHERCHES SCIENTIFIQUES ET TECHNIQUES DE L'INDUSTRIE DU BOIS ET DES MATIERES CONNEXES
70, Coudenberg
B-1000 BRUSSELS
46. CENTRE D'ETUDES DES DERIVES DU BOIS
B-5800 GEMBLoux
47. INSTITUT BELGE DU BOIS
1, rue Chomé-Wijus
B-1070 BRUSSELS

Bhutan

48. MINISTRY OF TRADE, INDUSTRIES AND FORESTS
FOREST RESOURCES DEVELOPMENT DEPARTMENT
THIMBU

Brazil

49. ASSOCIAÇÃO TECNICA BRASILEIRA DE CELULOSE E PAPEL
(Technical association of Brazil for cellulose and paper)
Praça da República 386, conj. 54
SÃO PAULO
50. ESCOLA SUPERIOR DE AGRICULTURA (College of agriculture)
UNIVERSIDAD DE SÃO PAULO (São Paulo university)
SÃO PAULO
51. INSTITUTO BRASILEIRO DE DESENVOLVIMENTO FORESTAL
(Brazilian institute of forest development)
Rua Mexico 45
RIO DE JANEIRO
52. INSTITUTO DE PESQUISAS TECNOLOGICAS (Institute of technological research)
C.P. 7141
SÃO PAULO
53. INSTITUTO DO AÇUCAR E DO ALCOOL (Sugar and alcohol institute)
Praça XV de Novembro 42
RIO DE JANEIRO

Bulgaria

54. CENTR ZA NAUCHNO-TEHNICHESKA IKONOMICHEKA INFOR-
MACIJA PC SELSKO I GORSKO STOPANSTWO (Centre for scientific,
technological and economic information in agriculture and forestry)
Boulevard Dragan Tsankov 6
SOFIA
55. INSITUTE OF THE WOODWORKING INDUSTRY
Str. Lregalnitsa 1
4400 PAZARDZHIK
56. INSTITUT PO CELULOSNA HARTIENA I LES-HIMICHESKA
PROMYSHLENOST (Research institute of the cellulose and paper
industry and of forest chemistry)
Gara Iskar
SOFIA

Burma

57. APPLIED RESEARCH INSTITUTE
CELLULOSE RESEARCH DEPARTMENT
Junction of Kaba Aye Pagod-Kanbe Roads
RANGOON

Canada

58. AGRICULTURAL INSTITUTE OF CANADA
151 Slater Street, suite 907
OTTAWA, Ontario K1P 5H4
59. CANADA INTERNATIONAL DEVELOPMENT AGENCY
200 Promenade du Portage
HULL, Québec K1A 0G4
60. CANADIAN PULP AND PAPER ASSOCIATION
2300 Sun Life Building
MONTREAL, Québec H3B 2X9
61. ENVIRONMENT CANADA, FOOD AND ALLIED INDUSTRIES AND
WATER POLLUTION CONTROL DIRECTORATE
Place Vincent Massey
OTTAWA, Ontario K1A 0H3
62. FOREST PRODUCTS LABORATORY
Montreal Road
OTTAWA, Ontario
63. NATIONAL RESEARCH COUNCIL OF CANADA
TECHNICAL INFORMATION SERVICE
100 Sussex Drive
OTTAWA, Ontario K1A 0S3

64. PULP AND PAPER RESEARCH INSTITUTE OF CANADA
570 St. John's Boulevard
POINTE CLAIRE 720, Quebec H9R 3J9

Chile

65. INSTITUTO DE INVESTIGACIONES AGROPECUARIAS
SANTIAGO
66. UNIVERSIDAD AUSTRAL DE CHILE
FACULTAD DE INGENIERIA FORESTAL
Casilla 567
VALDIVIA

China

67. CHUNG-KUO CHIEN-CHU HSUEH HUI (Chinese society of agriculture)
Hsi-ch'iao Ch'e-kung-chuang Ta-chieh 19
PEKING
68. LIN-YEH-PU LIN-CH'AN (Institute of forest products research)
YEN-CHIU SO (Ministry of forestry)
PEKING

Colombia

69. CENTRO INTERNACIONAL DE AGRICULTURA TROPICAL (CIAT)
Apartado Aéreo 67-13
CALI
70. CENTRO NACIONAL DE INVESTIGACIONES DE CAFE
CHINCHINA, Caldas
71. INSTITUTO COLOMBIANO AGROPECUARIO
Apartado Aéreo 151123
BOGOTA

Costa Rica

72. CENTRO INTEPAMERICANO DE DOCUMENTACION Y INFOR-
MACION AGRICOLA (CIDIA)
P.O. Box 74
TURRIALBA
73. CENTRO PARA LA PROMOCION DE LAS EXPORTACIONES Y DE
LAS INVERSIONES
Apartado Postal 5418
SAN JOSE

Cuba

74. INSTITUTO CUBANO DE INVESTIGACIONES DE LOS DERIVADOS DE LA CAÑA DE AZUCAR (ICIDCA)
Apartado 4026
Via Blanca y Carretera Central
Guanabacoa
HAVANA 10

Czechoslovakia

75. CZECHOSLOVAK RESEARCH AND DEVELOPMENT CENTRE FOR ENVIRONMENTAL POLLUTION CONTROL
Karlova Ves
81643 BRATISLAVA
76. USTAV VEDECKOTECHNICKYCH INFORMACI (Institute of scientific and technological information)
7 Slezská
12056 PRAGUE
77. VYSKUMNY USTAV PAPIERU A CELULOZY (Pulp and cellulose research institute)
Lamačská 3
89020 BRATISLAVA
78. VYSOKA SKOLA LESNICKA A DREVARSKA (College of forestry and wood technology)
Stúrova 4
ZVOLEN

Democratic People's Republic of Korea

79. ACADEMY OF AGRICULTURAL SCIENCE
PYONGYANG

Denmark

80. BIOTEKNISK INSTITUT (Biotechnical institute)
Holbersvej 10
DK-6000 KOLDING
81. FORENINGEN AF DANSKE SPANPLADERFABRIKKER (Association of Danish particle-board manufacturers)
c/o Novopan Traeindustrie A/S
DK-8964 PINDSTRUP
82. SAMMENSLUTNINGEN AF DANSKE PAPIR-, PAP- OG CELLULOSEFABRIKKER (Association of Danish paper-, board- and cellulose-mills)
Store Strandstraede 18
DK-1255 COPENHAGEN

Ecuador

83. INSTITUTO NACIONAL DE INVESTIGACIONES AGROPECUARIAS
Apartado 2600
QUITO

Egypt

84. ACADEMY OF SCIENTIFIC RESEARCH AND TECHNOLOGY
101 Kasr El. Ainy
CAIRO
85. CAIRO UNIVERSITY
FACULTY OF AGRICULTURE
4 Gomhoreya Motaheda
Dokki
CAIRO
86. NATIONAL RESEARCH CENTRE
CELLULOSE AND PAPER DEPARTMENT
Sh-El Tahrir
Dokki
CAIRO

El Salvador

87. INSTITUTO SALVADOREÑO DE INVESTIGACIONES DEL CAFE
SANTA TECLA

Finland

88. METSAENTUTKIMUSLAITOS (Forest research institute)
Unioninkatu 40A
SF-00170 HELSINKI 17
89. OY KESKUSLABORATORIO KIRJALLISUUSPALVELU/CENTRAL
LABORATORIUM AB (Finnish pulp and paper research institute)
P.O. Box 136
SF-00101 HELSINKI 10
90. SUOMEN LASTULEVY-YHDISTYS (Finnish particle-board association)
Lönnotinkatu 25
SF-00180 HELSINKI 18
91. VALTION TEKNILLINEN TUTKIMUSLAITUS/STATENS TEKNISKA
FORSKNINGSCENTRAL (State institute for technical research)
Lönnotinkatu 37
SF-00180 HELSINKI 18

France

92. ASSOCIATION TECHNIQUE DE L'INDUSTRIE PAPETIERE (ATIP)
154, boulevard Haussmann
F-75008 PARIS
93. CENTRE DE DOCUMENTATION DES INDUSTRIES UTILISATRICES
DE PRODUITS AGRICOLES (CDIUPA)
Avenue des Olympiades
F-91305 MASSY
94. CENTRE TECHNIQUE DE L'INDUSTRIE DES PAPIERS, CARTONS
ET CELLULOSES
Domaine universitaire 175
F-38042 GRENOBLE
95. CENTRE TECHNIQUE DU BOIS (CTB)
10, avenue de Saint-Mandé
F-75012 PARIS
96. CENTRE TECHNIQUE FORESTIER TROPICAL
45 bis, avenue de la belle Gabrielle
F-94130 NOGENT-SUR-MARNE
97. CONFEDERATION FRANÇAISE DE L'INDUSTRIE DES PAPIERS,
CARTONS ET CELLULOSES
154, boulevard Haussmann
F-75008 PARIS
98. ECOLE FRANÇAISE DE PAPETERIE
44, avenue Felix Viallet
F-38000 GRENOBLE
99. GROUPE DE RECHERCHES SUR LES TECHNIQUES RURALES
34, rue Dumont d'Urville
F-75116 PARIS
100. SYNDICAT DES FABRICANTS DE PANNEAUX DE FIBRES
30, avenue Marceau
F-75008 PARIS
101. SYNDICAT DES FABRICANTS DE PANNEAUX DE PARTICULES
30, avenue Marceau
F-75008 PARIS

German Democratic Republic

102. INSTITUT FUER FASERBAUSTOFFE UND HOLZTECHNOLOGIE
(Institute for fibre building materials and wood technology)
Zellerscherweg 24
DDR-8020 DRESDEN
103. INSTITUT FUER ZELLSTOFF UND PAPIER (Institute for cellulose
and paper)
Pirnaerstrasse 37
DDR-8312 HEIDENAU

Germany, Federal Republic of

104. BUNDESANSTALT FUER MATERIALPRUEFUNG (Federal institute for materials testing)
Unter den Eichen 87
D-1000 BERLIN (WEST) 45
105. BUNDESFORSCHUNGSANSTALT FUER FORST- UND HOLZ-
WIRTSCHAFT (Federal research centre for forestry and forest products)
Schloss
D-2057 REINBEK
106. BUNDESVERBAND DER LEICHTBAUPLATTENINDUSTRIE (Federal
union of the building board industry)
Beethovenstrasse 8
D-8000 MUNICH 2
107. DEUTSCHE GESELLSCHAFT FUER HOLZFORSCHUNG (German
society for wood research)
Prannerstrasse 9
D-8000 MUNICH 2
108. FORSCHUNGSANSTALT FUER LANDWIRTSCHAFT (Agricultural
research centre)
Bundesallee 50
D-3300 BRAUNSCHWEIG
109. INSTITUT FUER ABFALLWIRTSCHAFT DER TECHNISCHEN
UNIVERSITAET BERLIN (Institute of waste management of the
technical university in Berlin (West))
Strasse des 17. Juni
D-1000 BERLIN (WEST) 12
110. INSTITUT FUER HOLZFORSCHUNG UND HOLZTECHNIK (Wood
research and technology institute)
Winzerstrasse 45
D-8000 MUNICH 13
111. INSTITUT FUER LANDESKULTUR DER UNIVERSITAET GIESSEN
(Institute of agriculture of the university of Giessen)
Senckenbergstrasse 3
D-6300 GIESSEN
112. KURATORIUM FUER FORSCHUNG UND NACHWUCHSAUS-
BILDUNG DER ZELLSTOFF- UND PAPIERINDUSTRIE (Research and
training board for the cellulose and paper industry)
Adenauerallee 55
D-5300 BONN
113. VEREIN DER ZELLSTOFF- UND PAPIERCHEMIKER UND -INGE-
NIEURE (Association of cellulose and paper chemists and engineers)
Rheinstrasse 51
D-6100 DARMSTADT

Ghana

114. AGRICULTURAL RESEARCH STATION
NYANKPALA
115. BUILDING AND ROAD RESEARCH INSTITUTE
UNIVERSITY OF SCIENCE AND TECHNOLOGY
P.O. Box 45
KUMASI
116. COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
P.O. Box 37M
ACCRA
117. CROP RESEARCH INSTITUTE
KUMASI

Guatemala

118. INSTITUTO AGROPECUARIO NACIONAL
GUATEMALA CITY

Hungary

119. AGRARTUDOMANYI EGYETEM KESZTHELY (Agricultural uni-
versity Keszthely)
Déak Ferenc utca 16
H-8361 KESZTHELY
120. BUDAPEST MUEZAKI EGYETEM (Budapest technical university)
Műegyetem rakpart 3/9
H-1521 BUDAPEST 11
121. ERDESZETI ES FAIPARI EGYETEM (Forestry and timber industry
university)
Bajcsy-Zsilinsky út 4
H-9400 SOPRON
122. FAIPARI KUTATO INTEZET (Research institute for the wood
industries)
Vörösmarty utca 56
H-1727 BUDAPEST 20
123. ORSZAGOS MUESZAKI KOENYVTAR ES DOKUMENTACIOS
KOEZPONT (TECHNOINFORM) (Hungarian central technical library
and documentation centre: TECHNOINFORM)
P.O. Box 12
Reviczky utca 6
H-1428 BUDAPEST 8
124. PAPIRIPARI VALLALAT KUTATO INTEZET (Research institute of
the paper industry)
Duna utca 57
H-1751 BUDAPEST

India

125. CEMENT RESEARCH INSTITUTE OF INDIA
M-10, South Extension II
Ring Road
NEW DELHI 110 049
126. CENTRAL BUILDING RESEARCH INSTITUTE
ROORKEE, Uttar Pradesh 247 667
127. CENTRAL COFFEE RESEARCH INSTITUTE
P.O. Chikmagalur District
KARNATAKA
128. CENTRAL COIR RESEARCH INSTITUTE
KALAVOOR
129. CENTRAL FOOD TECHNOLOGY RESEARCH INSTITUTE
MYSORE 2A
130. FEDERATION OF INDIAN PLYWOOD AND PANEL INDUSTRY
Indra Palace, H block
Connaught Circus
NEW DELHI
131. FOREST RESEARCH INSTITUTE AND COLLEGES
P.O. New Forest
DEHRA DUN, Uttar Pradesh
132. INDIAN AGRICULTURAL RESEARCH INSTITUTE
Pusa
NEW DELHI 110 012
133. INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR)
Krishi Bhavan
NEW DELHI 1
134. INDIAN PAPER MAKERS' ASSOCIATION
Royal Exchange
6 Netaji Subhas Road
CALCUTTA 1
135. INDIAN PLYWOOD INDUSTRIES RESEARCH INSTITUTE (IPIRI)
Post Bag 2273
Tumkur Road
BANGALORE 22
136. INDIAN PULP AND PAPER TECHNICAL ASSOCIATION (IPPTA)
RAJAHMUNDRY 1
137. JAMNALAL BAJAJ CENTRAL RESEARCH INSTITUTE FOR
VILLAGE INDUSTRIES
P.O. Box 4
Maganuvadi
WARDHA, Maharashtra

138. JUTE TECHNOLOGICAL RESEARCH LABORATORIES
12 Regent Park, Tollygunge
CALCUTTA 40
139. KHADI AND VILLAGE INDUSTRIES COMMISSION
Vile Parle West
BOMBAY 400 056
140. NATIONAL SUGAR INSTITUTE
Kalianpur
KANPUR
141. REGIONAL RESEARCH LABORATORY
Jorhat 6
ASSAM

Indonesia

142. BUREAU OF NATURAL RESOURCES AND ENVIRONMENTAL
MANAGEMENT
Jalan Jaman Surapati 1
Bappenas
Djakarta
143. CELLULOSE RESEARCH INSTITUTE
Hegarmanah Kulon 4
BANDUNG
144. FOREST PRODUCTS RESEARCH INSTITUTE
Djakarta
145. NATIONAL BIOLOGICAL INSTITUTE
BOGOR

Iran

146. INSTITUTE OF STANDARDS AND INDUSTRIAL RESEARCH OF
IRAN
KARAJ
147. TEHERAN UNIVERSITY
FACULTY OF NATURAL RESOURCES
KARAJ

Iraq

148. FOREST RESEARCH CENTRE
DIRECTORATE GENERAL OF FORESTRY
BAGHDAD

Ireland

149. INSTITUTE FOR INDUSTRIAL RESEARCH AND STANDARDS
Ballynum Road
DUBLIN 9

Israel

150. HAMACHON LESIVIM UMUTZARE YAAR (Institute for fibres and forest products research)
P.O. BOx 8001
5 Emek Harefaim Street
JERUSALEM
151. MARKAZ HABNIYAH HAYISRAELI (Building centre of Israel)
P.O. Box 7102
15 Daled Street
TEL AVIV

Italy

152. ASSOCIAZIONE TECNICA ITALIANA PER LA CELLULOSA E PER LA CARTA (Italian technical association for cellulose and paper)
Via Sandro Botticelli 19
I-20133 MILAN
153. ENTE NAZIONALE PER LA CELLULOSA E PER LA CARTA (National union for cellulose and paper)
Viale Regina Margherita 262
I-00198 ROME
154. ISTITUTO DEL LEGNO (Wood institute)
SAN MICHELE ALL'ADIGE
155. ISTITUTO SPERIMENTALE AGRONOMICICO (Institute of experimental agronomy)
Via Ulpiani 5
I-70125 BARI
156. STAZIONE SPERIMENTALE PER LA CELLULOSA, CARTA E FIBRE TESSILI, VEGETALI ED ARTIFICIALI (Experimental station for cellulose, paper and vegetable and artificial textile fibres)
Piazza Leonardo da Vinci 25
I-20133 MILAN

Ivory Coast

157. CENTRE TECHNIQUE FORESTIER TROPICAL
B.P. 8033
ABIDJAN

158. INSTITUT POUR LA TECHNOLOGIE ET L'INDUSTRIALISATION
DES PRODUITS AGRICOLES TROPICAUX
B.P. 8881
ABIDJAN

Jamaica

159. JAMAICAN ASSOCIATION OF SUGAR TECHNOLOGISTS
MANDEVILLE
160. NATURAL RESOURCES CONSERVATION DEPARTMENT
P.O. Box 367
KINGSTON 6

Japan

161. GOVERNMENT FOREST EXPERIMENT STATION
FOREST PRODUCTS CHEMISTRY DIVISION
5-37-21 Shimo Meguro
Meguro-ku
TOKYO
162. HARDBOARD AND PARTICLE BOARD MANUFACTURERS' ASSO-
CIATION
Tanaka Yaesu Building, 5th floor
25-chome, Yaesu
Chuo-ku
TOKYO
163. HOKKAIDO FOREST PRODUCTS RESEARCH INSTITUTE
12-chome, Midori-machi
ASAHIKAWA, Hokkaido
164. JAPANESE TECHNICAL ASSOCIATION OF THE PULP AND PAPER
INDUSTRY
Kami-Parupu Kaikan
9-11, 3-chome, Ginza
Chuo-ku
TOKYO 104
165. JAPAN PAPER AND PULP ASSOCIATION
Kami-Parupu Kaikan
9-11, 3-chome, Ginza
Chuo-ku
TOKYO 104
166. JAPAN PULP AND PAPER RESEARCH INSTITUTE
3-6 Kanda-Ogawa-cho
Chiyoda-ku
TOKYO

Kenya

167. EAST AFRICAN INDUSTRIAL RESEARCH ORGANIZATION
P.O. Box 30650
NAIROBI
168. NATIONAL AGRICULTURAL RESEARCH STATION
P.O. Box 30650
NAIROBI
168. NATIONAL AGRICULTURAL RESEARCH STATION
P.O. Box 450
KITALE

Libyan Arab Jamahiriya

169. ALFATEH UNIVERSITY
FACULTY OF AGRICULTURE
P.O. Box 2547
TRIPOLI

Madagascar

170. CENTRE TECHNIQUE FORESTIER TROPICAL
B.P. 904
TANANARIVE

Malawi

171. FOREST RESEARCH INSTITUTE
Private Bag 6
DEDZA

Malaysia

172. FOREST PRODUCTS LABORATORY
Swettenham Road
KUALA LUMPUR
173. MALAYSIA AGRICULTURAL RESEARCH AND DEVELOPMENT
INSTITUTE
P.O. Box 208
Sungai Besi
SERDANG, Selangor
174. MALAYSIAN TIMBER INDUSTRY BOARD
P.O. Box 887
KUALA LUMPUR

Mauritius

175. MAURITIUS SOCIETY FOR AGRICULTURAL AND SUGAR TECHNOLOGY
REDUIT
176. MAURITIUS SUGAR INDUSTRY RESEARCH INSTITUTE
REDUIT

Mexico

177. ASOCIACION MEXICANA DE TECNICOS DE LAS INDUSTRIAS DEL PAPEL Y DE LA CELULOSA
Apartado Postal 41-637
MEXICO 10, D.F.
178. ASOCIACION NACIONAL DE FABRICANTES DE TABLEROS DE MADERA
Sevilla 9, piso 2
MEXICO 6, D.F.

Mozambique

179. CENTRO DE DOCUMENTAÇÃO AGRARIA DO INSTITUTO DE INVESTIGAÇÃO AGRONOMICA DO MOÇAMBIQUE (Agricultural documentation centre of the institute of research in agronomy of Mozambique)
C.P. 3658
Avenida do Brasil
Mavalane
LOURENÇO MARQUES 11

Netherlands

180. BOND VOR MATERIALENKENNIS: VEZELS EN CELLULOSE (Union for materials research: fibres and cellulose)
Stadhouderslaan 28
THE HAGUE
181. BUREAU FOR INTERNATIONAL PROJECTS, TNO
P.O. Box 778
21 Koningin Marialaan
THE HAGUE
182. HOUTINSTITUUT, TNO (Forest products research institute, TNO)
Schoenmakerstraat 97
DELFT
183. KONINKLIJK INSTITUUT VOOR DE TROPEN (Royal tropical institute)
Mauritskade 63
AMSTERDAM

184. VEZELSINSTITUUT, TNO (Fibre research institute, TNO)
P.O. Box 110
Schoenmekerstraat 97
DELFT

New Zealand

185. FOREST RESEARCH INSTITUTE
NEW ZEALAND FOREST SERVICE
Private Bag
ROTORUA
186. LINCOLN COLLEGE
UNIVERSITY OF CANTERBURY
CANTERBURY

Nigeria

187. FEDERAL INSTITUTE OF INDUSTRIAL RESEARCH
P.O. Box 1023
IKEJA
188. INSTITUTE OF APPLIED SCIENCE AND TECHNOLOGY
UNIVERSITY OF IBADAN
IBADAN
189. INTERNATIONAL INSTITUTE OF TROPICAL AGRICULTURE
P.O. Box 5320
Oyo Road
IBADAN

Norway

190. NORGES BYGGFORSKNINGSINSTITUTT (Norwegian building
research institute)
P.O. Box 322
Forskningveien 3B
Blindern
OSLO 3
191. PAPIRINDUSTRIENS FORSKNINGSINSTITUTT (Pulp and paper
research institute)
P.O. Box 250
Forskningveien 3
Blindern
OSLO 3
192. PAPIRINDUSTRIENS TEKNISKE FORENING (Technical association
of the pulp and paper industry)
Forskningveien 3
Blindern
OSLO 3

193. SPONPLATEFABRIKKENES SECRETARIAT (Chipboard producers
secretariat)
Postboks 2435
Solli
OSLO 2

Pakistan

194. PAKISTAN CHIPBOARD MANUFACTURERS' ASSOCIATION
P.O. Box 18
JHELUM
195. PAKISTAN INDUSTRIAL DEVELOPMENT CORPORATION
PAPER AND FOREST DEPARTMENT
Kutchery Road
KARACHI 4

Papua New Guinea

196. DEPARTMENT OF FORESTS
P.O. Box 5055
BOROKO

Peru

197. INSTITUTO DE INVESTIGACIONES AGROINDUSTRIALES
Casilla 11294
Avenida la Universidad 595
La Molina
LIMA 14
198. UNIVERSIDAD NACIONAL AGRARIA
DEPARTAMENTO DE INDUSTRIAS FORESTALES
Apartado 456
LIMA

Philippines

199. DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES
BUREAU OF PLANT INDUSTRY
692 San Andrés
Malate
MANILA
200. FOREST PRODUCTS RESEARCH INSTITUTE
LOS BAÑOS COLLEGE
FOREST PRODUCTS RESEARCH AND INDUSTRIES DEVELOP-
MENT COMMISSION
LAGUNA E-109

- 201. INDUSTRIAL RESEARCH CENTRE
COLLEGE OF ENGINEERING
UNIVERSITY OF THE PHILIPPINES
Diliman
QUEZON CITY D-505
- 202. INSTITUTE FOR SMALL SCALE INDUSTRIES
UNIVERSITY OF THE PHILIPPINES
Virata Hall
QUEZON CITY D-505
- 203. PHILIPPINE COCONUT AUTHORITY
Don Marcos Avenue, Diliman
QUEZON CITY
- 204. PHILIPPINE COUNCIL FOR AGRICULTURAL RESEARCH
LOS BAÑOS COLLEGE
UNIVERSITY OF THE PHILIPPINES
LAGUNA E-109

Poland

- 205. INSTYTUT CELULOZOWO-PAPIERNICZY (Pulp and paper institute)
Gdznska 121
90-950 ŁODZ
- 206. INSTYTUT KSZTALTOWANIA ŚRODOWISKA UL KRZYWICKIEGO
(Environmental formation institute)
02-078 WARSAW
- 207. INSTYTUT PRZEMYSŁU WŁOKIEN LYKOWYCH (IPWL) (Institute of
bast fibre industries)
Ul. Wojska Polskiego 71C
POZNAN
- 208. INSTYTUT TECHNOLOGII DREWNA (Institute of wood technology)
Ul. Winiarska 1
60-654 POZNAN
- 209. STOWARZYSZENIE NAUKOWO-TECHNICZNE INŻYNIERÓW I
TECHNIKÓW PRZEMYSŁU PAPIERNICZEGO (Technical association
of the pulp and paper industry)
Plac Komuny Paryskiej 5A
90-950 ŁODZ

Portugal

- 210. ESTAÇÃO DE EXPERIMENTAÇÃO FORESTAL (Forest research
station)
SECÇÃO DE ESTUDOS DA CELULOSE (Cellulose studies section)
ALCOBAÇA

Republic of Korea

211. FOREST RESEARCH INSTITUTE
Chongyangni
Tangdaesnun-ku
SEOUL

Romania

212. ACADEMIA DE STIINTE AGRIOLE SI SILVICE (Academy of agricultural and forestry sciences)
Bulevardul Marasti 61, sectorul 1
BUCHAREST
213. INSTITUTUL DE CERCETARI SI PROJECTARI PENTRU CELULOZA SI HIRTIE (Pulp and paper industry research and design institute)
Al. I Cuza 3
BRAILA
214. INSTITUTUL DE CERCETARI SI PROJECTARI PENTRU INDUSTRIA LEMNULUI (ICPPIL) (Institute for wood-industry research and projects)
Soseaua Pipera 46, sectorul 2
BUCHAREST 30
215. INSTITUTUL DE STUDII, EXPERIMENTARI SI PROJECTARI PENTRU INDUSTRIA CELULOZEI, HIRTIEI, FIBRE ARTIFICIALE SI VALORIFICAREA STUFULUI (Institute of study, experiments and design in the pulp, paper and artificial fibre industries and use of reeds)
Calea Victoriei 48-50
BUCHAREST

Rwanda

216. OFFICE DES CULTURES INDUSTRIELLES DU RWANDA
B.P. Box 104
KIGALI

Saudi Arabia

217. INDUSTRIAL STUDIES AND DEVELOPMENT CENTRE
P.O. Box 1267
RIYADH

Senegal

218. CENTRE NATIONAL DE RECHERCHES AGRONOMIQUES DE BAMBEY
BAMBEY
219. INSTITUT DE TECHNOLOGIE ALIMENTAIRE
B.P. 2765
DAKAR

Spain

220. ASOCIACION DE LA INVESTIGACION TECNICA DE LA INDUSTRIA PAPELERA ESPAÑOLA
Plaza de Saimanca 9/3
MADRID 6
221. GRUPO NACIONAL DE FABRICANTES DE TABLEROS AGLOMERADOS DE MADERA
Segre 20
MADRID 2
222. INSTITUTO DE AGROQUIMICA Y TECNOLOGIA DE ALIMENTOS
Jaime Roig 11
VALENCIA 10

Sri Lanka

223. CEYLON INSTITUTE OF SCIENTIFIC AND INDUSTRIAL RESEARCH
P.O. Box 787
COLOMBO

Sudan

224. NATIONAL COUNCIL FOR RESEARCH
P.O. Box 2404
KHARTOUM
225. NATIONAL PLANNING COMMISSION
AGRICULTURAL SECTION
P.O. Box 298
KHARTOUM

Swaziland

226. SWAZILAND SUGAR ASSOCIATION
BIG BEND

Sweden

227. COLLEGE OF AGRICULTURE
Ultuna
S-750 07 UPPSALA
228. SVENSKA PAPPERS- OCH CELLULOSAINGENIOERS-
FOERENINGEN (Swedish paper and cellulose engineers' association)
Villagatan 1
S-114 32 STOCYHOLM

229. SVENSKA SPAENSKIVEFOERENINGEN (Swedish chipboard association)
Box 815
S-171 08 SOLNA
230. SVENSKA TRAEFORSKNINGSINSTITUTET (Swedish forest products research institute)
Box 5604
Drottning Kristinas Väg 53-67
S-114 86 STOCKHOLM
231. SVENSKA WALLBOARDFOERENINGEN (Swedish wall-board manufacturers' association)
Sturegatan 38
S-114 36 STOCKHOLM
232. TRAEULLSPLATTFABRIKANTERNAS FOERENING (Fibreboard manufacturers' association)
Eriksbergsgatan 1B
S-114 30 STOCKHOLM

Switzerland

233. ASSOCIATION SUISSE DES FABRICANTS DE PANNEAUX DE FIBRES
c/o Pavatex AG
Rigistrasse 8
CH-6330 CHAM
234. ASSOCIATION SUISSE DES FABRICANTS DE PAPIER ET PATES A PAPIER
Postfach 115
Bergstrasse 110
CH-8030 ZURICH
235. UNION SUISSE DES FABRICANTS DE PANNEAUX DE PARTICULES
Westbahnhofstrasse 6
CH-4500 SOLOTHURN

Thailand

236. AGRICULTURAL PRODUCTS RESEARCH INSTITUTE
APPLIED SCIENTIFIC RESEARCH CORPORATION OF THAILAND (ASRCT)
196 Phaholyothin Road
Bangkhen
BANGKOK 9
237. KASETSART UNIVERSITY
FACULTY OF AGRICULTURE
University grounds, Bangkhen
BANGKOK 9

238. KHON KAEN UNIVERSITY
FACULTY OF ENGINEERING
KHON KAEN
239. MINISTRY OF INDUSTRY
PHYSICS AND ENGINEERING DIVISION
6 Rama Street
BANGKOK 4
240. ROYAL FOREST DEPARTMENT
FOREST PRODUCTS RESEARCH DIVISION
Thomburi
BANGKOK 9

Trinidad and Tobago

241. UNIVERSITY OF THE WEST INDIES
DEPARTMENT OF AGRICULTURAL ECONOMICS
ST. AUGUSTINE

Tunisia

242. INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE DE
TUNISIE
ARIANA

Turkey

243. UNIVERSITY OF ANKARA
FACULTY OF AGRICULTURE
ANKARA

Uganda

244. NAMULONGE RESEARCH STATION
P.O. Box 7065
KAMPALA

Ukrainian Soviet Socialist Republic

245. ALL UNION SCIENTIFIC RESEARCH INSTITUTE OF BAST CROPS
Sumi Region
GLUKNOV

Union of Soviet Socialist Republics

246. ACADEMY OF AGRICULTURAL SCIENCES OF THE LENIN ORDER
Bolshoi Kharitonevski Pereulok 21
MOSCOW B-78

247. Leningradskii Tekhnologicheskii Institut Tselliulozno-bumazhnoi Promyshlennosti (Leningrad technological institute for the pulp and paper industry)
Institutskii Pereulok 5
LENINGRAD
248. Nauchno-issledovatel'skii Institut Bumazhnoi (Scientific research institute of the paper industry)
MOSCOW
249. Nauchno-Tekhnicheskoe Obshchestvo Bumazhnoi i Derevoobrabatывaishchei Promyshlennosti (NTC) (Scientific and engineering society of the paper and woodworking industry)
Ulitsa 25 Oktiabria 8/11
MOSCOW K-12
250. USSR MINISTRY OF TIMBER AND WOODWORKING INDUSTRY
WOOD-BASED PANELS DEPARTMENT
Ulitsa Gritsevets 2/16
MOSCOW
251. Vsesoiuznyi Nauchno-Issledovatel'skii Institut Tselliulozno-bumazhnoi Promyshlennosti (All union scientific research institute of the cellulose and paper industry)
MOSCOW

United Kingdom of Great Britain and Northern Ireland

252. THE BRITISH PAPER AND BOARD INDUSTRY FEDERATION
Plough Place, Fetter Lane
LONDON EC4A 1AL
253. BRITISH WOOD PULP ASSOCIATION
Epworth House
25-35 City Road
LONDON EC1 1AR
254. BUILDING RESEARCH ESTABLISHMENT
PRINCES RISBOROUGH LABORATORY
AYLESBURY, Buckinghamshire HP17 9PX
255. CHIPBOARD PROMOTION ASSOCIATION
7A Church Street
ESHER, Surrey
256. FIBRE BUILDING BOARD DEVELOPMENT ORGANIZATION
Buckingham House
6-7 Buckingham Street
LONDON WC2N 6BZ
257. NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING
AGRICULTURAL RESEARCH COUNCIL
Wrest Park
SILSOE, Bedfordshire MK45 4HS

258. PAPER AND BOARD, PRINTING AND PACKAGING INDUSTRIES
RESEARCH ASSOCIATION (PIRA)
Randalls Road
LEATHERHEAD, Surrey KT22 7RU
259. TIMBER RESEARCH AND DEVELOPMENT ASSOCIATION (TRADA)
Hughenden Valley
HIGH WYCOMBE, Buckinghamshire HP14 4ND
260. TROPICAL PRODUCTS INSTITUTE
56-62 Gray's Inn Road
LONDON WC1X 8LU
261. UNIVERSITY OF ABERDEEN
DIVISION OF AGRICULTURAL CHEMISTRY
581 King Street
ABERDEEN AB9 1UD

United Republic of Cameroon

262. CENTRE TECHNIQUE FORESTIER TROPICAL (CTFT)
B.P. 832
DOUALA

United States of America

263. AGRICULTURAL RESEARCH CENTER
UNIVERSITY OF FLORIDA
GAINESVILLE, Florida 32611
264. AMERICAN ASSOCIATION OF CEREAL CHEMISTS
3340 Pilot Knob Road
ST. PAUL, Minnesota 55121
265. AMERICAN PAPER INSTITUTE
260 Madison Avenue
NEW YORK, New York 10015
266. AMERICAN PULPWOOD ASSOCIATION (APA)
605 Third Avenue
NEW YORK, New York 10017
267. COLLEGE OF ENGINEERING
WASHINGTON STATE UNIVERSITY
PULLMAN, Washington 99163
268. COLORADO STATE UNIVERSITY
DEPARTMENT OF FOREST AND WOOD SCIENCES
FORT COLLINS, Colorado 80521
269. CORNELL UNIVERSITY
ENVIRONMENTAL STUDIES PROGRAMME
207 Riley Robb Hall
ITHACA, New York 14853

270. FOREST PRODUCTS RESEARCH SOCIETY
2801 Marshall Court
MADISON, Wisconsin 53705
271. GEORGIA INSTITUTE OF TECHNOLOGY
ECONOMIC DEVELOPMENT LABORATORY
ENGINEERING EXPERIMENT STATION
ATLANTA, Georgia 30332
272. HAWAIIAN SUGAR PLANTERS' ASSOCIATION
EXPERIMENT STATION
P.O. Box 1057
AIEA, Hawaii 96701
273. THE INSTITUTE OF PAPER CHEMISTRY
P.O. Box 1046
APPLETON, Wisconsin 54911
274. LEAGUE FOR INTERNATIONAL FOOD EDUCATION
1126 Sixteenth Street, N.W.
WASHINGTON, D.C. 20036
275. MICHIGAN STATE UNIVERSITY
DEPARTMENT OF AGRICULTURAL ENGINEERING
EAST LANSING, Michigan 48824
276. NATIONAL BARK PRODUCERS' ASSOCIATION
1750 Old Meadow Road
MCLEAN, Virginia 22101
277. NATIONAL FOREST PRODUCTS ASSOCIATION
1619 Massachusetts Avenue, N.W.
WASHINGTON, D.C. 20036
278. NATIONAL PARTICLE BOARD ASSOCIATION
2306 Perkins Place
SILVER SPRING, Maryland 20910
279. NATIONAL RESEARCH COUNCIL
BOARD OF AGRICULTURE AND RENEWABLE RESOURCES
COMMITTEE ON RENEWABLE RESOURCES FOR INDUSTRIAL
MATERIALS
2101 Constitution Avenue, N.W.
WASHINGTON, D.C. 20418
280. NATIONAL TECHNICAL INFORMATION SERVICE
5285 Port Royal Road
SPRINGFIELD, Virginia 22161
281. OREGON STATE UNIVERSITY
FOREST RESEARCH LABORATORY
CORVALLIS, Oregon 97330
282. PULP AND PAPER MACHINERY ASSOCIATION
200 Park Avenue
NEW YORK, New York 10017

283. ROBERT S. KERR ENVIRONMENTAL RESEARCH LABORATORY
P.O. Box 1198
ADA, Oklahoma 74820
284. TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY
(TAPPI)
One Dunwoody Park
ATLANTA, Georgia 30341
285. UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
BIOLOGICAL WASTE MANAGEMENT LABORATORY
WASHINGTON, D.C. 20250
286. UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
NORTHERN REGIONAL RESEARCH LABORATORY
1815 North University Street
PEORIA, Illinois 61604
287. UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 Marshall Street, S.W.
WASHINGTON, D.C. 20460
288. UNIVERSITY OF CALIFORNIA
FOREST PRODUCTS LABORATORY
1301 South 46th Street
RICHMOND, California 94804
289. UNIVERSITY OF MINNESOTA
AGRICULTURAL EXPERIMENT STATION
St. Paul Campus
ST. PAUL, Minnesota 55101
290. UNIVERSITY OF RHODE ISLAND
DEPARTMENT OF CHEMICAL ENGINEERING
KINGSTON, Rhode Island 02881
291. VOLUNTEERS FOR TECHNICAL ASSISTANCE (VITA)
3706 Rhode Island Avenue
MT. RAINIER, Maryland 20822

Venezuela

292. ASOCIACION VENEZOLANA DE PRODUCTORES DE PULPA,
PAPEL Y CARTON
CAMARA DE INDUSTRIALES
Esquina de Puente Anauco
CARACAS
293. CONSEJO NACIONAL DE INVESTIGACIONES CIENTIFICAS Y
TECNOLOGICAS
Apartado 70617
Los Ruices
CARACAS

294. LABORATORIO NACIONAL DE PRODUCTOS FORESTALES
Apartado 220
Charros de Milla
MERIDA

Yugoslavia

295. INSTITUT ZA CELULOZA IN PAPIR (Pulp and paper institute)
8, Bogisićeva
YU-61000 LJUBLJANA
296. INSTITUT ZA DRVNO-INDUSTRIJSKA ISTRAZIVANJA (Wood
industry research institute)
8 Maja 82
YU-41000 ZAGREB

SECTION II

DIRECTORIES

List of manufacturers, firms, organizations, materials, products, equipment and other similar data, arranged in alphabetical or classified order

A. General, regional and national directories

Manufacturers and export directories covering many branches of industry and giving information on industrial and commercial firms of one country or group of countries

297. **ABC EUROP. PRODUCTION 1972**
2 vols. In English, French, German, Italian, Portuguese and Spanish. Universal register of European exports.
See: Flax chipboards *Index No.* 1974
Straw-boards 6855
Publ.: Europ. Export Edition GmbH
Postfach 4034
D-6100 DARMSTADT, Federal Republic of Germany
298. **ARGENTINA VENDE/ARGENTINA SELLS**
Annual. In English and Spanish. Alphabetical index of firms with descriptions of specific products. Arranged by product; classified according to Argentine nomenclature of exports, including names of manufacturers. See: Paper-making material, Index No. 47.
Publ.: First National Bank of Boston, Buenos Aires Branch
P.O. Box 656
Espinosa 1640
BUENOS AIRES, Argentina
299. **BOTTIN INTERNATIONAL: INTERNATIONAL BUSINESS REGISTER**
Annual. In English, French, German and Spanish. Firms, corporations and organizations listed by trade and country.
See: Fibres vegetales
Panneaux de fibres
Panneaux de particules
Papiers
Publ.: Société Didot-Bottin
28, rue du Docteur Finlay
F-75738 PARIS, cedex 15, France

300. **KELLY'S MANUFACTURERS AND MERCHANTS DIRECTORY**
Annual. 2 vols. plus index vol.
Vol. 1: Lists products and services for United Kingdom, with special section on London.
Vol. 2: Lists international products and services, arranged by continent, trade and firm. Includes "Products and services dictionary" in French, German and Spanish.
See: Flaxboard
Flax waste
Straw-board
Wood waste
Publ.: Kelly's Directories
Neville House, Eden Street
KINGSTON-UPON-THAMES, Surrey KT1 1BY, England
301. **MANTECH REGISTER OF TRADE AND INDUSTRY: INDIA**
Irregular. Branch classification of manufacturers and companies. Alphabetical product index.
See: Straw-boards
Straw-paper
Publ.: Mantech Services Pvt. Ltd
P.O. Box 6726
Golf Links
Union Park, Khar
BOMBAY 400 052, India
302. **SOVIET TRADE DIRECTORY**
Irregular. Text in English; indexes in English and Russian. Arranged in broad subject areas.
See: Cardboard-mills
Paper
Publ.: Flegon Press
43 Queensborough Terrace
LONDON W2, England
303. **THOMAS' REGISTER OF AMERICAN MANUFACTURERS**
Annual. Product classification, including names and addresses of manufacturers, trade marks and brand names.
See: Panels
Paper and pulp
Publ.: Thomas Publishing Company
One Penn Plaza
NEW YORK, New York 10001, United States of America
304. **TRADO: ASIAN AND AFRICAN DIRECTORY**
Irregular. Gives for each Asian and African country, or group of countries, alphabetical list of products with corresponding exporters, importers and manufacturers.
See: Bagasse
Nutshells
Rice husks
Straw

Publ.: Trade Publications Pvt. Ltd
Bansi House
1/24 Asaf Ali Road
DELHI 110 001, India

305. **WER BAUT MASCHINEN? (Who makes machinery?)**
Prepared by the Association of German Machine Manufacturers. Annual. In English, French, German and Spanish. Special buyer's guide for machinery, apparatuses and precision tools in Federal Republic of Germany and Berlin (West). Classified register of suppliers. Alphabetical index of manufacturers with addresses.
- See: Machinery for the manufacture of boxboard, cardboard, paper and pulp
Woodworking machinery (joining and assembling machines)
- Publ.: Hoppenstedt Wirtschaftsverlag GmbH
Havelstrasse 9
D-6100 DARMSTADT 1, Federal Republic of Germany

B. Branch directories

306. **BIRKNER EUROPA: DIRECTORY OF PRODUCERS AND CONVERTERS OF PULP, PAPER AND BOARD**
Every two years. In English; index in English, French and German. General directory of the Eastern and Western European paper industry including manufacturers, convertors, wholesalers and representatives. Section on mills indicates raw materials used.
- Publ.: Verlag Birkner und Company
P.O. Box 520660
D-2000 HAMBURG, Federal Republic of Germany
307. **BOARD PURCHASING GUIDE AND DIRECTORY**
Annual. Lists manufacturers of chipboard, fibreboard, plywood and veneers in United Kingdom; agents of overseas manufacturers, stockists and retailers. Index of trade names.
- Publ.: Pressmedia Ltd
Overmoigne
DORCHESTER, Dorset, England
308. **BRUSEWITZ PAPER AND PULP MAKERS DIRECTORY OF SWEDEN, NORWAY, DENMARK AND FINLAND**
Every two years. In English and Swedish. Alphabetical list of paper- and pulp-mills in each country with index of products and trade names.
- Publ.: Wezäta Förlag AG
Box 5057
S-402 22 GOETEBORG 5, Sweden
309. **BUILDING BOARD DIRECTORY**
Irregular. Directory of brands and types of building boards and plywoods. Includes flaxboards.
- Publ.: Benn Brothers Ltd
25 New Street Square
LONDON EC4A 3JA, England

310. **CROW'S BUYER'S AND SELLER'S GUIDE OF THE FOREST PRODUCTS INDUSTRIES**
 Annual. Lists manufacturers of lumber, plywood and boards and other forest products in Canada and United States.
 Publ.: C. C. Crow Publications, Inc.
 Terminal Sales Building
 PORTLAND, Oregon 97205, United States of America
311. **DIRECTORY OF BARK PRODUCT PRODUCERS, BROKERS AND CONSULTANTS AND MANUFACTURERS OF BARK PROCESSING MACHINERY IN THE UNITED STATES**
 Publ.: United States Department of Agriculture
 Forest Service, Northeastern Area
 Experiment Station Upper Darby
 UPPER DARBY, Pennsylvania 19082, United States of America
312. **DIRECTORY OF BOARD MANUFACTURERS**
 Annual.
 Publ.: Miller Freeman Publications
 731 Oakstreet, S.W.
 PORTLAND, Oregon 97205, United States of America
313. **DIRECTORY OF THE FOREST PRODUCTS INDUSTRY**
 Annual. Guide to logging establishments, sawmills, plywood and board mills; industrial suppliers in Canada and United States.
 Publ.: Miller Freeman Publications Ltd
 500 Howard Street
 SAN FRANCISCO, California 94105, United States of America
314. **FORESTRY AND FOREST PRODUCTS GROUPS IN THE ASIAN AND PACIFIC REGION**
 1973. 175 p. Directory of research groups listing scope of interests, research projects and technical services.
 Publ.: Registry of Scientific and Technical Services for the Asian and Pacific Region
 P.O. Box 62
 Jamison Centre
 CANBERRA, A.C.T. 2614, Australia
315. **INTERNATIONAL PULP AND PAPER DIRECTORY**
 Every two years. World-wide guide to the pulp and paper industry including equipment, grades and production capacity. Gives industry information sources, buyers' guide and consulting services. Includes international market pulp directory.
 Publ.: Miller Freeman Publications Ltd (see entry 313)
316. **KEPPLER PAPIER: REPORT VON EUROPA (Keppler paper: report of Europe)**
 Irregular. In German; headings and explanations in English, French and German. Alphabetical list of firms and classified index of products for board, paper- and pulp-mills.
 Publ.: P. Keppler Verlag KG
 Industriestrasse 2
 D-6056 HEUSENSTAMM, Federal Republic of Germany

317. **LOCKWOOD'S DIRECTORY OF THE PAPER AND ALLIED TRADES**
Annual. Lists paper- and pulp-mills in Canada and United States. Buyer's guide to equipment, chemical and technical services. See: Wood-pulp agents (bagasse, bamboo, esparto, flax, straw etc.).
Publ.: Lockwood Publishing Company
551 Fifth Avenue
NEW YORK, New York 10017, United States of America
318. **NORSKE PAPIR-, CELLULOSE-, TREMASS-, WALLBOARD- OG SPONPLATEFABRIKKER** (Norwegian paper, cellulose, wood-pulp, wall-board and chipboard manufacturers)
Every two years. In Norwegian; headings and explanations in English. Lists manufacturers and exporters in the paper, pulp and board industry. Includes trade associations.
Publ.: Oekonomisk Literatur A/S
Ebbellsgate 3
OSLO 1, Norway
319. **PAPER AND PULP MILL CATALOG AND ENGINEERING HANDBOOK: PIMA CATALOG**
Annual. Lists equipment, materials and chemicals used in pulp and paper manufacturing. Gives engineering data related to pulp and paper processes.
Publ.: Paper Industry Management Association (PIMA)
2570 Devon Avenue
DES PLAINES, Illinois 60018, United States of America
320. **PHILLIPS' PAPER TRADE DIRECTORY**
Annual. Lists British board, paper- and pulp-mills alphabetically. Includes classified index and mill names index.
Publ.: Benn Brothers Ltd (see entry 309)
321. **POST'S PULP AND PAPER DIRECTORY**
Annual. Directory of the pulp, paper, paperboard and converting industries of North America. Classified list of mill and plant grades (including bagasse and straw-pulp). Gives industry statistics and buyers' guide.
Publ.: Miller Freeman Publications Ltd (see entry 313)
322. **SAMPLE DIRECTORY OF SOURCES OF INFORMATION RELEVANT TO THE PAPER AND PULP INDUSTRY**
Prepared by the International Referral System (Infoterra) of the United Nations Environment Programme (UNEP). 1979. 98 p. Lists sources of environmental information in the field of pulp and paper registered by INFOTERRA national focal points; addresses of Infoterra national focal points contain an evaluated bibliography of publications on the pulp and paper industry.
Publ.: United Nations Environment Programme (UNEP)
P.O. Box 30552
NAIROBI, Kenya

323. **TAPPI DIRECTORY**
Annual. Lists members of the Association, technical divisions and committees, publications and professional services.
Publ.: Technical Association of the Pulp and Paper Industry (TAPPI)
One Dunwoody Park
ATLANTA, Georgia 30341, United States of America
324. **TIMBER TRADES DIRECTORY**
Every two years. Lists companies engaged in the timber trade in United Kingdom. See: Board manufacture (flaxboard, particle-board, straw-slabs etc.).
Publ.: Benn Brothers Ltd (see entry 309)

SECTION III

SOURCES OF STATISTICS, MARKETING AND OTHER ECONOMIC DATA

A. World-wide coverage

325. **AGRICULTURAL COMMODITIES: PROJECTS FOR 1975 AND 1985**
Prepared by the Food and Agriculture Organization of the United Nations (FAO). 1967. 2 vols. (CCP 67/3/Rev.)
- Vol. 1: 339 p. General outlook for demand, production and trade; projections by commodity groups. Includes data on the production and demand for agricultural raw materials (cotton, jute, kenaf and allied fibres, hard fibres) and forest products (including paper and board).
- Vol. 2: 308 p. Methodology and statistical appendix.
- Publ.: Food and Agriculture Organization of the United Nations (FAO)
Via delle Terme di Caracalla
I-00100 ROME, Italy
326. **BANANA FIBRE PROCESSING**
1975. 181 p. Eco-technical study of the possibilities and conditions for extraction and processing of banana fibres and of their utilization in the pulp, paper and board industry.
- Publ.: Atlanta: Industrie- und Unternehmensberatung GmbH
Jungfrauenthal 51-55
D-2000 HAMBURG 13, Federal Republic of Germany
327. **COMMODITY TRADE STATISTICS**
Prepared by the Statistical Office of the United Nations. Gives import and export statistics on commodities for different groups of countries. Commodities are arranged by Standard International Trade Classification (SITC). (Statistical papers, series D-ST/ESA/STAT/SER.D)
- | | | | |
|------|---------------------|------------------|-------|
| See: | Pulp, not of wood | <i>Index No.</i> | 251.5 |
| | Flax, tow and waste | | 265.1 |
| | Paper, paperboard | | 641 |
- Publ.: United Nations
Sales Section
NEW YORK, New York 10017, United States of America
328. **FAO COMMODITY BULLETIN SERIES**
Prepared by the Commodities and Trade Division of the Food and Agriculture Organization of the United Nations (FAO).
Each bulletin deals with the production, processing and trade of specific commodities, including their by-products.

No. 44: Coir: economic characteristics, trends and problems.
1969. 64 p.

No. 45: Rice milling in developing countries. 1969. 33 p.

Publ.: Food and Agriculture Organization of the United Nations (FAO)
(see entry 325)

329. **FAO COMMODITY REVIEW AND OUTLOOK**

Prepared by the Commodities and Trade Division of the Food and Agriculture Organization of the United Nations (FAO). Annual. Reviews trade and prices in agricultural commodities, short-term outlook, broad issues and recent policy actions and consultations. Gives statistical tables of production, trade exports and imports by commodity and economic region. See: Agricultural raw materials (allied fibres, hard fibres, jute and kenaf).

Publ.: Food and Agriculture Organization of the United Nations (FAO)
(see entry 325)

330. **FAO MONTHLY BULLETIN OF AGRICULTURAL ECONOMICS AND STATISTICS**

Prepared by the Food and Agriculture Organization of the United Nations (FAO). Monthly. In English, French and Spanish. Includes articles, commodity notes, situation and outlook reports, special features and basic statistical tables. See: Data on production and trade of fibres.

Publ.: Food and Agriculture Organization of the United Nations (FAO)
(see entry 325)

331. **FAO PRODUCTION YEARBOOK**

Prepared by the Statistics Division of the Economic and Social Policy Department, Food and Agriculture Organization of the United Nations (FAO). Annual. 2 vols. In English, French and Spanish. See: Fibre crops, tables 74-78.

Publ.: Food and Agriculture Organization of the United Nations (FAO)
(see entry 325)

332. **FAO PULP AND PAPER CAPACITIES SURVEY: 1976-1981**

Prepared by the Food and Agriculture Organization of the United Nations (FAO). 1977. 173 p. In English, French and Spanish. For each country surveyed, data is given on non-wood fibre-pulp for paper and paperboard making, including bagasse, bamboo, grasses, reeds, straw etc.

Publ.: Food and Agriculture Organization of the United Nations (FAO)
(see entry 325)

333. **FAO TRADE YEARBOOK**

Prepared by the Statistics Division of the Economic and Social Policy Department, Food and Agriculture Organization of the United Nations (FAO). Annual. Tables on quantities and values of trade for various agricultural commodities.

See: Bran and other milling by-products *Index No.* 081.2
Flax fibre, tow and waste 265.1
Sisal and other agave fibres and waste 265.4

Publ.: Food and Agriculture Organization of the United Nations (FAO)
(see entry 325)

334. **FIBER CONSERVATION AND UTILIZATION**
P. D. VAN DERVEER and K. E. LOWE. 1975. 288 p. Contains developments on pulping production from non-wood plant fibres and wood wastes, p. 206-230.
Publ.: Miller Freeman Publications, Inc.
500 Howard Street
SAN FRANCISCO, California 94105, United States of America
335. **THE IMPACT OF PRODUCT SUBSTITUTION AND NEW TECHNOLOGIES ON THE PULP AND PAPER INDUSTRY**
1977. 236 p. Scenario forecasting of the pulp and paper industry.
Publ.: Euro-Data Analysts (EDA)
7 Priors
ASHTREAD, Surrey KT2L 2QF, England
336. **INDUSTRIAL FIBRES**
1973. 243 p. Review of production, trade, consumption and prices relating to wool, cotton, man-made fibres, silk, flax, jute and hard fibres.
Order from:
Commonwealth Secretariat
Publication Section
Marlborough House
LONDON SW1Y 5HX. England
337. **PROFILES OF MANUFACTURING ESTABLISHMENTS**
(UNIDO industrial planning and programming series, ID/SER.E/4, 5, 6)
Vol. 1: 1967. (Sales No. 67.II.B.17)
Vol. 2: 1968. (Sales No. 68.II.B.13)
Vol. 3: 1971. (Sales No. 71.II.B.12)
See: India (newsprint from bamboo and salai) p. 120-122
Japan (jute linerboard) p. 124-126
India (straw-board) p. 486
Mexico (cellulose from cane bagasse) p. 994
Publ.: United Nations (see entry 327)
338. **PULP AND PAPER INTERNATIONAL: REVIEW NUMBER**
Annual. In English; summaries in French, German and Spanish. Analyses world trends in the consumption and production of pulp and paper, by continent and by country. Review of market trends in the pulp trade.
Publ.: Pulp and Paper International
Chaussée de Charleroi 123A
B-1060 BRUSSELS, Belgium
339. **WORLD TRADE ANNUAL**
Prepared by the Statistical Office of the United Nations. Annual. 5 vols. Gives imports and exports by volume and value for all reporting countries. Arranged by Standard International Trade Classification (SITC) within each country. (Sales No. 76.XVII.1) See: Textile fibres (not manufactured into yarn thread and fabrics) and their wastes, Index No. 26.
SUPPLEMENT TO THE WORLD TRADE ANNUAL: TRADE OF THE INDUSTRIALIZED NATIONS WITH EASTERN EUROPE AND THE DEVELOPING NATIONS

- Vol. 1: Eastern Europe
- Vol. 2: South and Central America
- Vol. 3: Africa
- Vol. 4: The Near East
- Vol. 5: The Far East

Order from:
Walker and Company
720 Fifth Avenue
NEW YORK, New York 10019, United States of America

340. **WORLD WOOD REVIEW**
Annual. Special issue of *World Wood*, giving the latest statistics on production, consumption and trade of wood products.
Publ.: World Wood
500 Howard Street
SAN FRANCISCO, California 94105, United States of America
341. **YEARBOOK OF FOREST PRODUCTS**
Prepared by the Statistics and Economic Analysis Unit of the Forestry Department of the Food and Agriculture Organization of the United Nations (FAO). Annual. Contains annual data on the production and trade in forest products for the years 1964-1975 and direction of trade in 1974 and 1975.
See: Fibreboard p. 188-206
Other fibre-pulp p. 248-252
Publ.: Food and Agriculture Organization of the United Nations (FAO)
(see entry 325)
342. **YEARBOOK OF INDUSTRIAL STATISTICS**
(Formerly *Growth of World Industry*)
Prepared by the Statistical Office of the United Nations. Annual. 2 vols. In English and French. Arranged by International Standard Industrial Classification (ISIC).
Vol. 1: 1976. 661 p. General industrial statistics for 1969-1973. Arranged by country. (Sales No. 76.XVII.3)
Vol. 2: 1976. 709 p. Commodity production data for 1965-1974. (Sales No. 76.XVII.4). See: Pulp of fibres other than wood, Index No. 341104.
Publ.: United Nations (see entry 327)

B. Regional coverage

Africa

343. **AFRICAN STATISTICAL YEARBOOK/ANNUAIRE STATISTIQUE POUR L'AFRIQUE**
Prepared by the United Nations Economic Commission for Africa (ECA) Annual. 4 vols. In English and French. Gives for each country, data on the production of principal crops and on relevant manufacturing production.

- Vol. 1: North Africa
- Vol. 2: West Africa
- Vol. 3: East Africa
- Vol. 4: Central Africa

Publ.: United Nations (see entry 327)

344. **L'INDUSTRIE AFRICAINE EN 1976**
Irregular. In French. Covers Benin, Central African Empire, Chad, Congo, Gabon, Ivory Coast, Mali, Mauritania, Niger, Senegal, Togo, United Republic of Cameroon and Upper Volta. For each country a summary of industrial development over the past five years is given, followed by a detailed discussion of the country's major industries.
- See: Agro-industrie
Industries de transformation du bois
- Publ.: EDIAFRIC – La documentation africaine
57, avenue d'Iéna
F-75016 PARIS, France
345. **PULP AND PAPER DEVELOPMENT IN AFRICA AND THE NEAR EAST**
Proceedings of a conference held in Cairo, 8-18 March 1965. 1968. 3 vols. Includes an appraisal of fibrous materials supply, its economic availability and technical suitability for the pulp and paper industry.
- Publ.: Food and Agriculture Organization of the United Nations (FAO)
(see entry 325)
346. **TIMBER TRENDS AND PROSPECTS IN AFRICA**
1967. 90 p. Summarizes information on forest resources, primary wood-using industries, consumption and trade in wood products. Gives future requirements.
- Publ.: Food and Agriculture Organization of the United Nations (FAO)
(see entry 325)

Asia and the Pacific

347. **PULP AND PAPER PROSPECTS IN ASIA AND THE FAR EAST**
Prepared by the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) and the Food and Agricultural Organization of the United Nations (FAO).
- Vol. 1: 292 p.
Vol. 2: 613 p.
- Publ.: Food and Agriculture Organization of the United Nations (FAO)
(see entry 325)
348. **STATISTICAL YEARBOOK FOR ASIA AND THE PACIFIC/
ANNUAIRE STATISTIQUE POUR L'ASIE ET LE PACIFIQUE**
Prepared by the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP). Annual. In English and French. Gives for each country, data on the production of principal crops and on relevant manufacturing production. (Sales No. 75.II.F.17)
- Publ.: United Nations (see entry 327)

349. **TIMBER TRENDS AND PROSPECTS IN THE ASIA-PACIFIC REGION**
Economic study jointly prepared by the Food and Agriculture Organization of the United Nations (FAO) and the Economic and Social Commission for Asia and the Pacific (ESCAP). 1961. 224 p. Includes a discussion on the availability and future supply possibilities of non-wood fibres (bagasse, rice straw and bamboo).
Publ.: Food and Agriculture Organization of the United Nations (FAO)
(see entry 325)

Europe

350. **INDUSTRIESTATISTIK/STATISTIQUES INDUSTRIELLES/STATISTICHE DELL'INDUSTRIA/INDUSTRIESTATISTIEK/INDUSTRIAL STATISTICS**
Prepared by the Statistical Office of the European Communities. Annual. In Danish, Dutch, English, French, German and Italian. Yearbook of statistical data covering countries of the European Community. Section 1 gives indices of industrial production in member countries. Section 2 gives data on the production of basic materials and manufactured goods. See: Data on vegetable pulp, tables 471-472.
Publ.: Statistical Office of the European Communities
Centre Européen, Kirchberg
P.B. 1907
LUXEMBOURG, Luxembourg
351. **THE PULP AND PAPER INDUSTRY: 1976-77/L'INDUSTRIE DES PATES ET PAPIERS: 1976-77**
Prepared by the Organisation for Economic Co-operation and Development (OECD). 1977. 46 p. In English and French. Covers OECD member countries, North American countries, Australia, Japan and New Zealand. Data on pulp production includes statistics on non-wood fibrous vegetable materials (straw, reed, bagasse etc.).
Publ.: Organisation for Economic Co-operation and Development (OECD)
Château de la Muette
2, rue André Pascal
F-75775 PARIS, cedex 16, France
352. **PULP AND PAPER PROSPECTS IN WESTERN EUROPE**
A. SUNDELIN. 1963. 456 p. Contains developments on future requirements in non-wood paper-making fibres.
Publ.: BLV Verlagsgesellschaft mbH
Lothstrasse 29
D-8000 MUNICH 13, Federal Republic of Germany
353. **TIMBER BULLETIN FOR EUROPE/BULLETIN DU BOIS POUR L'EUROPE**
Prepared by the Joint FAO/ECE Secretariat of the Timber Division Committee of the United Nations Economic Commission for Europe (ECE). Quarterly. In English and French. Gives statistics on production, trade and prices of forest products. Occasional supplements on documents and reports of seminars and meetings of interest to the timber industry.
Order from:
United Nations (see entry 327)

Latin America

354. ANUARIO ESTADISTICO DE AMERICA LATINA/STATISTICAL YEARBOOK FOR LATIN AMERICA
Prepared by the United Nations Economic Commission for Latin America (ECLA). Annual. 4 vols. In English and Spanish. Gives statistical data arranged by country and industry. Data on paper pulp includes pulp from bagasse, sisal, straw etc. (E/CEPAL/977)
Order from:
United Nations (see entry 327)
355. DEVELOPMENT OF THE FOREST AND PULP AND PAPER INDUSTRIES IN LATIN AMERICA
Proceedings of a consultation jointly prepared by the Economic Commission for Latin America (ECLA), the Food and Agriculture Organization of the United Nations (FAO) and the United Nations Industrial Development Organization (UNIDO), Mexico City, 19-26 may 1970. 1975. 3 vols. 774 p. Includes developments on non-wood fibrous raw materials.
Publ.: Food and Agriculture Organization of the United Nations (FAO)
(see entry 325)
356. LATIN AMERICAN TIMBER TRENDS AND PROSPECTS
Prepared by the Food and Agriculture Organization of the United Nations (FAO). 1963. 117 p. Statistics on all aspects of the primary wood industry, including pulp and paper manufacture from non-wood fibres. (Sales No. 63.II.G.1)
Order from:
United Nations (see entry 327)

C. National coverage

For convenience, sources are listed in this subsection according to the country or area for which they provide data. The style in which addresses are presented is in accordance with postal requirements. See also the explanatory notes on page vi.

Canada

357. PULPWOOD AND WOOD RESIDUES STATISTICS
Monthly. (Catalogue No. CS25-001)
Order from:
The Queen's Printer
OTTAWA, Ontario KIA 0T6
358. STATISTICS CANADA: REPORTS FOR INDIVIDUAL INDUSTRIES
Monthly and annual. Each report gives data on number of establishments, number of employees, salaries, cost of fuel and electricity, value of goods shipped etc.
Hard board. Monthly. (Catalogue No. CS36-001)
Particle board. Monthly. (Catalogue No. CS36-003)
Pulp and paper mills. Annual. (Catalogue No. CS36-204)
Order from:
The Queen's Printer (see entry 357)

Finland

359. EFFECTUATING POSSIBILITIES OF WASTE WOOD UTILIZATION
IN FINLAND
S.L.E. ASLORGA. 1977. 38 p.
Publ.: Metsöntutkimuslaitos
Unioninkatu 40A
SF-00170 HELSINKI

Germany, Federal Republic of

360. DEUTSCHE PAPIERWIRTSCHAFT (German paper economy)
Quarterly.
Publ.: P. Keppeler Verlag KG
Industriestrasse 2
D-6056 HEUSENSTAMM

India

361. PAPER INDUSTRY PROBLEMS AND PROSPECTS
1972.
Publ.: National Council of Applied Economic Research
NEW DELHI
362. SURVEY OF INDIA'S EXPORT POTENTIAL OF WOOD AND WOOD
PRODUCTS
1970. 4 vols. Study prepared for the Indian Ministry of Foreign Trade
and Supply.
See: Vol. 1: Pulp and paper
Vol. 2: Wood-based panels
Publ.: The Marketing Research Corporation of India
P.O. Box 288
National Insurance Building 2A
Parliament Street
NEW DELHI

Japan

363. JAPAN PAPER AND PULP ASSOCIATION: PULP AND PAPER
STATISTICS
Annual. In English.
Publ.: Japan Paper and Pulp Association
Kami-Parupu Kaikan
9-11, 3-chome, Ginza
Chuo-ku
TOKYO 104
364. KAMI PARUPU TOKEI GEPPU/PAPER AND PULP STATISTICAL
MONTHLY
Monthly. In English and Japanese.
Publ.: Japan Paper and Pulp Association (see entry 363)

United Kingdom of Great Britain and Northern Ireland

365. **PAPER FACTS AND FIGURES**
Every two months. Technical and commercial information on production, trade and consumption statistics.
Publ.: Northwood Publications Ltd
Elm House
10-16 Elm Street
LONDON WC1X 0BP
366. **A SURVEY OF STRAW PULPING IN GREAT BRITAIN**
1974. 2 vols. Techno-economic study. Examines the size of the pulp market and prices. Compares the straw supply and processing situation in Great Britain with operations in Europe and North Africa. Outlines processes for pulping straw. (PIRA report)
Publ.: Paper and Board, Printing and Packaging Industries Research Association (PIRA)
Randalls Road
LEATHERHEAD, Surrey KT22 7RU

United States of America

367. **AMERICAN PAPER INSTITUTE: MONTHLY STATISTICAL SUMMARY**
Monthly. Gives current statistics on the paper industry. Includes economic trends.
Publ.: American Paper Institute
260 Madison Avenue
NEW YORK, New York 10016
368. **FIBERS AS RENEWABLE RESOURCES FOR INDUSTRIAL MATERIALS**
Prepared by the Panel on Fibers for the Committee on Renewable Resources for Industrial Materials, Commission on Natural Resources, National Research Council. 1976. 289 p. Includes an assessment of the pulp, paper and paperboard industry.
Order from:
Superintendent of Documents
United States Government Printing Office
WASHINGTON, D.C. 20402
369. **MARKETING GUIDE TO THE PAPER AND PULP INDUSTRY**
P. NOBLE, ed. Analysis of marketing facts and estimates covering production, sales, and uses, price trends and raw materials, including non-wood pulping fibres.
Publ.: Charles H. Kline and Company, Inc.
389 Passaic Avenue
FAIRFIELD, New Jersey 07006
370. **PARTICLEBOARD**
Annual. Data on production and shipments. (Series No. BDSAF-582)
Publ.: United States Bureau of Census
WASHINGTON, D.C. 20233

371. **PULP, PAPER AND BOARD**
Monthly. Classified lists of consumption and inventories of fibrous materials in pulp, paper, pulpwood and board manufacture. (Series M26A)
Publ.: United States Bureau of Census (see entry 370)
372. **PULP, PAPER AND BOARD QUARTERLY: INDUSTRY REPORT**
Quarterly. Statistics on production, consumption, inventories, prices and foreign trade. Gives data on raw materials used in the industry.
Order from:
Superintendent of Documents (see entry 368)
373. **WOOD PULP AND FIBER STATISTICS**
1974.
Publ.: American Paper Institute (see entry 367)

SECTION IV

BASIC HANDBOOKS, TEXTBOOKS AND MANUALS

374. AKERS, L. E. Particle board and hardboard. New York, Pergamon Press, 1966. 172 p.
375. ANJAL, K. Textbook on fibreboard. Dorchester, Dorset, Pressmedia Ltd, 1974.
376. ARAULLO, E. V., D. B. PADUA and R. GRAHAM. Rice: postharvest technology. Ottawa, International Development Research Centre, 1976. 394 p.
377. BANANA FIBRE PROCESSING. Hamburg, Atlanta: Industrie- und Unternehmensberatung GmbH, 1975. 181 p.
378. BRITT, K. W., ed. Handbook of pulp and paper technology. New York, Van Nostrand-Reinhold, 1970. 723 p.
379. BROWN, N. C. Forest products. New York, John Wiley and Sons, 1950. 399 p.
380. _____ Timber products and industries. New York, John Wiley and Sons, 1949.
381. BROWNING, B. L. Methods of wood chemistry. New York, John Wiley and Sons, 1967.
382. _____ Analysis of paper. Maidenhead, Kent, Marcel Dekker, 1969. 342 p.
383. BUILDING RESEARCH ESTABLISHMENT. Plywood, fibreboard and wood chipboard. Aylesbury, Buckinghamshire, 1967.
384. CALKIN, J. B. Modern pulp and paper making. 3rd rev. ed. New York, Van Nostrand-Reinhold, 1960. 549 p.
385. CARPENTER, C. H. *et al.* Papermaking fibers. Syracuse, New York, State University College of Forestry, 1962. (Technical publication No. 74)
386. CASEY, J. P. Pulp and paper: chemistry and chemical technology. New York, Interscience Publishers, 1960. 3 vols.
387. CHAMPION, J. Le bananier. Paris, G. P. Maisonneuve et Larose, 1963.

388. CHILD, R. G. Coconuts. London, Longmans, Green and Company, 1964.
389. DEPPE, H. J. and K. ERNST. Technologie der Spanplatten (Particleboard technology). Stuttgart, Holz-Zentralblatt Verlag, 1964. 283 p.
390. FIBER BUILDING BOARD DEVELOPMENT ORGANIZATION. Fiber building boards, London, 1963. 159 p. A technical handbook for architects, builders and other users of fibre building boards.
391. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS (FAO). Guide for planning pulp and paper enterprises. Rome, 1973. 388 p. (FAO Forestry and forest product studies No. 18)
392. GRACE, M. R. Cassava processing. Rev. ed. Rome, Food and Agriculture Organization of the United Nations (FAO), 1977. 155 p. (FAO plant production and protection series No. 3)
393. GRANT, J. Cellulose pulp and allied products. London, Leonard Hill, 1958. 512 p.
394. _____ A laboratory handbook of pulp and paper manufacture. London, E. Arnold, 1960. 523 p.
395. GRIMWOOD, B. E. Coconut palm products; their processing in developing countries. Rome, Food and Agriculture Organization of the United Nations (FAO), 1975. 261 p. (FAO agricultural development paper No. 99)
396. HENTSCHEL, H. Chemische Technologie der Zellstoff- und Papierherstellung (Chemical technology of cellulose and paper manufacture). 3rd rev. ed. Leipzig, VEB Fachbuchverlag, 1967.
397. HIGHAM, R. A. A handbook of paperboard and board. London, Business Books, 1970. 176 p.
398. _____ Handbook of paper making: the technology of pulp, paper and board manufacture. 2nd ed. London, Business Publications, 1968. 400 p.
399. HOUSTON, D. F. Rice chemistry and technology. St. Paul, Minnesota, American Association of Cereal Chemists.
400. HUGOT, E. Handbook of cane sugar engineering. 2nd. Amsterdam, Elsevier, 1972. 1,079 p.
401. JOHNSON, E. S., ed. Wood particle board handbook. Raleigh, North Carolina, North Carolina State University, 1956.
402. KIRBY, R. H. Vegetable fibres: botany, cultivation and utilization. New York, Interscience Publishers, 1963. 464 p.
403. KOLLMANN, F. Holzspanwerkstoffe (Wood particle-board). Berlin (West), Heidelberg, New York, Springer Verlag, 1966. 821 p.
404. LAMPERT, H. Faserplatten: Rohstoffe, Herstellungsverfahren, Eigenschaften (Fibreboard: raw materials, methods of production, properties). Leipzig, VEB Fachbuchverlag, 1967. 453 p.

405. LENGYEL, P. and S. MORVAY. A cellulózgyártás Kémiája és technológiája (Chemistry and technology of pulp manufacture). Budapest, Adakémiái Kiadó, 1973. 579 p.
In German: Chemie und Technologie der Zellstoffherstellung. Biberach, Federal Republic of Germany, Güntter Staib Verlag, 1973. 579 p.
406. LIBBY, C. E. Pulp and paper science and technology. New York, McGraw-Hill, 1962. 2 vols.
407. MACDONALD, R. G., ed. Pulp and paper manufacture. 2nd ed. New York, McGraw-Hill, 1970. 3 vols.
408. MARTHUR, R. B. L. Handbook of cane sugar technology. New Delhi, Oxford and IBH Publishing Company, 1975. 498 p.
409. MEADE, G. P. and J. C. P. CHEN. Cane sugar handbook. 10th ed. New York, John Wiley and Sons, 1977.
410. MILLER, H. A. Particle board manufacture. Park Ridge, New Jersey, Noyes Data Corporation, 1977. 314 p. (Chemical technology review No. 84)
411. MITLIN, L. Particleboard manufacture application. Dorchester, Dorset, Pressmedia, 1968. 222 p.
412. MOSLEMI, A. A. Particleboard. Carbondale, Illinois, Southern Illinois University Press, 1974. 2 vols.
413. OFFICE DE DIFFUSION DES PANNEAUX DE PARTICULES. Le panneau de particules; une technique nouvelle. 2nd ed. 1970. 92 p.
414. PATURAU, J. M. Byproducts of the sugar cane industry. Amsterdam, Elsevier, 1969. 274 p.
415. PLATH, E. Die Betriebskontrolle in der Spanplatten-Industrie (Quality control in the particle-board industry). Berlin (West), Springer Verlag, 1963.
416. RYDHOLM, S. A. Pulping processes. New York, Interscience Publishers, 1965. 1,269 p.
417. SCOTT, W. Industrial utilization of sugar cane by products. Port-of-Spain, Trinidad and Tobago, Caribbean Commission, 1950.
418. SIMIONESCU, C. and G. ROZMARIN. Chimia stufului (Chemistry of reed). Bucharest, Editura Tehnica, 1966. 303 p.
419. STEPHENSON, J. F., ed. Pulp and paper manufacture. New York, McGraw-Hill, 1950-1955. 4 vols.
420. STRELIS, I. Identification of nonwoody and man-made fibres. Pointe Claire, Quebec, Pulp and Paper Research Institute of Canada, 1965. 63 p.

421. UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT. Pulp from bagasse for wallboard. Springfield, Virginia, United States Department of Commerce, Clearing House for Federal Scientific and Technical Information. (Industry profile No. 66092)
422. VALSECHI, O. Tecnologia da celulose de bagaço de cana de açúcar para papel: estudos relativos a influencia de medula (Technology of sugar-cane bagasse cellulose for paper: studies on the effect of pith). São Paulo, Escola Superior de Agricultura, Universidad de São Paulo, 1964. 228 p.
423. VAN DERVEER, P. D. and K. E. LOWE. Fiber conservation and utilization. San Francisco, California, Miller Freeman Publications, 1975. 288 p.
424. VAN HOOK, A. Sugar: its production, technology and uses. New York, Ronald Press, 1949. 155 p.
425. WASTE OR WEALTH. London, Department of Scientific and Industrial Research, 1960. 27 p.
426. WEST, G. J. Pulping processes. Appleton, Wisconsin, 1949-1954. 4 vols.
427. WITHAM, G. S. Modern pulp and paper making. 2nd ed. New York, Reinhold, 1942. 704 p.
428. WOODROOF, J. G. Coconuts: production, processing, products. Westport, Connecticut, AVI Publishing Company, 1970.
429. WURZ, O. Zellstoff und Papierherstellung aus Einjahrpflanzen (Cellulose and paper-making from annual crops). Darmstadt, Eduard Roether Verlag, 1960. 107 p.
430. YOUNG, R. A. and J. R. HAUN. Bamboo in the United States: description, culture and utilization. Washington, D.C., United States Government Printing Office, 1961. 74 p.
431. ZELLSTOFF PAPIER (Cellulose paper). Leipzig, VEB Fachbuchverlag, 1970. 484 p.

SECTION V

MONOGRAPH SERIES

432. **AGRICULTURAL EXPERIMENT STATION OF THE LOUISIANA STATE UNIVERSITY: BULLETINS**
Irregular.

No. 507: Possible uses for waste rice hulls in building materials and other products. 1956.

Publ: Louisiana State University
Agricultural Experiment Station
Drawer A-E, University Station
BATON ROUGE, Louisiana 70803, United States of America

433. **APPLIED SCIENTIFIC RESEARCH CORPORATION OF THAILAND: ASRCT REPORTS**
Irregular.

Miscellaneous investigations

No. 27: Preliminary study on the production of pulp from cottonseed husk. Report No. 1: Bleached linter pulp from cottonseed husk. By Chien Chu *et al.* 1970. 5 p.

No. 29: Pulp and paper from bamboo by ammonium sulphite process. Report No. 1: Chemical pulp from bamboo. By Chien Chu *et al.* 1970. 11 p.

No. 30: Pulp and paper from rubberwood. Report No. 1: Pulp and paper from rubberwood. By Chien Chu *et al.* 1970. 8 p.

No. 33: Pulp and paper from cornstalks. Report No. 1: Bleached chemical pulp from cornstalks. By Chien Chu *et al.* 1970. 5 p.

Co-operative research programme No. 1: Production, processing and utilization of kenaf and allied fibres.

Research project No. 1/17: Kenaf for pulp and paper. Report No. 1: Newsprint from kenaf. By Chien Chu *et al.* 1969. 7 p.

Report No. 3: Utilizing kenaf for chemical pulp; a pre-feasibility study. By Chien Chu. 1970. 21 p.

Publ.: Applied Scientific Research Corporation of Thailand (ASRCT)
196 Phaholyothin Road
Bangkhen
BANGKOK 9, Thailand

434. ASOCIACION DE TECNICOS DE LA INDUSTRIA PAPELERA Y CELULOSICA ARGENTINA (ATIPCA): CUADERNOS TECNICOS
Irregular.
No. 2: Bagazo, importante materia prima para satisfacer necesidades nacionales. 1971. 59 p.
Publ.: Asociación de Técnicos de la Industria Papelera y Celulósica Argentina (ATIPCA)
Belgrano 2852
BUENOS AIRES, Argentina
435. BRITISH PAPER AND BOARD INDUSTRY RESEARCH ASSOCIATION: TECHNICAL PAPERS
Annual.
Publ.: British Paper and Board Industry Research Association
Plough Place, Fetter Lane
LONDON EC4A 1AL, England
436. BUILDING RESEARCH STATION: PAPERS
Irregular.
Report of aggregates and waste materials working group (BRE Current Paper 31/73)
Publ.: Building Research Station
Garston
WATFORD WD2 7JR, England
437. CANADA: DEPARTMENT OF FORESTRY: TECHNICAL NOTES
Irregular.
No. 6: Wood residues as pulp material and developments in wallboard production. 1957. 19 p.
No. 31: Use of wood and wood residues in production of fibreboard and particle board. 1961. 16 p.
Publ.: Canada Department of Forestry
OTTAWA, Ontario, Canada
438. CANADIAN PULP AND PAPER ASSOCIATION: ENGINEERING DATA SHEETS AND USEFUL METHODS
Annual.
Publ.: Canadian Pulp and Paper Association
2300 Sun Life Building
MONTREAL, Québec H3B 2X9, Canada
439. COMPOSITE WOOD: INDIAN FOREST RECORDS
Irregular. In English.
Publ.: Forest Research Institute and Colleges
P.O. New Forest
DEHRA DUN, Uttar Pradesh, India

440. CSIRO: DIVISION OF FOREST PRODUCTS: TECHNICAL PAPERS
Irregular.
The production of hardboard from bagasse and cresol resin.
By F. J. Christensen and M. L. Christensen. 1955. 18 p.
Publ.: Commonwealth Scientific and Industrial Research Organization
(CSIRO)
P.O. Box 310
SOUTH MELBOURNE, Victoria 3205, Australia
441. FAO FORESTRY AND FOREST PRODUCTS STUDIES
Irregular.
No. 3: Tropical woods and agricultural residues as sources of
pulp. 1952.
No. 16: Raw materials for more paper. 1955.
No. 18: Guide for planning pulp and paper enterprises. 1973.
379 p.
Publ.: Food and Agriculture Organization of the United Nations (FAO)
Via della Terme di Caracalla
I-00100 ROME, Italy
442. FAO HARD FIBRES RESEARCH SERIES
Irregular. Reports of the inter-governmental group on hard fibres.
No. 19: Coconut coir for fibreboard. By J. Semana. 1975.
Publ.: Food and Agriculture Organization of the United Nations (FAO)
(see entry 441)
443. FAO: INFORMAL WORKING BULLETIN
Irregular. Information on agricultural wastes utilization.
No. 30: Rice husks utilization. 1967.
Publ.: Food and Agriculture Organization of the United Nations (FAO)
Agricultural Engineering Branch
Land and Water Development Division
Via della Terme di Caracalla
I-00100 ROME, Italy
444. FOREST PRODUCTS RESEARCH SOCIETY: TECHNICAL SERIES
BULLETIN
Irregular.
No. 22: Wood waste utilization. 1957.
Publ.: Forest Products Research Society
2801 Marshall Court
MADISON, Wisconsin 53705, United States of America
445. FOREST RESEARCH INSTITUTE PAPERS
Irregular.
Utilization of cotton stem and cotton waste for board and paper.
1976. 16 p.
Publ.: Forest Research Institute and Colleges
Cellulose and Paper Branch
P.O. New Forest
DEHRA DUN, Uttar Pradesh, India

446. FORPRIDECOM TECHNICAL NOTES
Irregular. Reviews of accumulated world knowledge about wood and other forest products.
No. 140: Abaca for pulp and paper. 1974.
No. 155: Sawdust for pulp and paper manufacture. 1975.
Publ.: Forest Products Research and Industries Development Commission
Los Baños College
LAGUNA E-109, Philippines
447. FORSCHUNGSINSTITUT FUER HOLZTECHNOLOGIE: BERICHTE
(Wood technology research institute: reports)
Irregular.
No. AE-1-41/0: Investigations on the manufacture of hardboards from rice straw. 1961. 30 p.
No. AE-3-101: Possible uses of flaxboard in the furniture industry. 1964. 80 p.
Publ.: Forschungsinstitut für Holztechnologie
Zellerscherweg 24
DDR-8020 DRESDEN, German Democratic Republic
448. INDIAN FOREST LEAFLETS
Irregular.
Studies on building boards. Part 1: Utilization of areca nut husk.
Part 2: Board from bamboos. 1948.
Publ.: Forest Research Institute and Colleges (see entry 439)
449. INTERNATIONAL SUGAR RESEARCH FOUNDATION: TECHNICAL REPORTS
Irregular. Covers all aspects of sugar-cane waste utilization.
Publ.: International Sugar Research Foundation
7316 Wisconsin Avenue
BETHESDA, Maryland 20014, United States of America
450. IPIRI LEAFLETS
Irregular.
No. 11: Utilization of coconut coir pith waste; note on further experiments. 1969.
Publ.: Indian Plywood Industries Research Institute (IPIRI)
Post Bag 2273
Tumkur Road
BANGALORE 22, India
451. MAURITIUS SUGAR INDUSTRY RESEARCH INSTITUTE: TECHNICAL CIRCULARS
Irregular.
No. 18: Byproducts of the sugar industry in Mauritius. 1961.
Publ.: Mauritius Sugar Industry Research Institute
REDUIT, Mauritius

452. MONOGRAPHS ON PAPER AND BOARD MAKING
Irregular.
Publ.: Pergamon Press, Inc.
Maxwell House, Fairview Park
ELMSFORD, New York 11101, United States of America
453. NEW ZEALAND FOREST PRODUCTS LABORATORY REPORTS
Irregular.
FP/PP 49: Response of coconut kraft pulps to conventional
bleach sequences. By R. W. Allison. 1976.
FP/PP 60: Examination of parenchyma tissue in coconut kraft
pulps. By R. W. Allison. 1976.
Publ.: Forest Research Institute
New Zealand Forest Service
Private Bag
ROTORUA, New Zealand
454. PRACE INSTYTUT PRZEMYSŁU WŁOKIEN LYKOWYCH (Publica-
tions of the institute of bast fibre industries)
Properties of flaxboard. 1963.
Publ.: Instytut Przemysłu Włókien Lykowych (IPWL)
Ul. Wojska Polskiego 71C
POZNAN, Poland
455. PULP AND PAPER RESEARCH INSTITUTE OF CANADA: TECH-
NICAL REPORTS SERIES
Irregular.
Publ.: Pulp and Paper Research Institute of Canada
570 St. John's Boulevard
POINTE CLAIRE 720, Quebec H9R 3J9, Canada
456. SVENSKA TRAEFORSKNINGSINSTITUTET: MEDDELANDEN
SERIE (Swedish forest products research laboratory: reports series)
Irregular. In Swedish; summaries in English.
Meddelande 70: Sorption of Xylan during kraft pulping of bamboo.
Publ.: Svenska Träforskningsinstitutet
Box 5604
Drottning Kristinas Väg 53-67
S-114 86 STOCKHOLM, Sweden
457. TAPPI COMMITTEE ASSIGNMENT REPORTS
Papers presented at functional conferences of the Association are issued
as ca reports (CAR). See: Annual reports of the TAPPI Non-wood Plant
Fibers Committee, Non-wood plant fiber pulping (1970-1976; CAR 34,
40, 43, 52, 53, 58 and 67)
Publ.: Technical Association of the Pulp and Paper Industry (TAPPI)
One Dunwoody Park
ATLANTA, Georgia 30341, United States of America

458. TAPPI MONOGRAPH SERIES
Irregular. Provides comprehensive information on pulp and paper technology.
Publ.: Technical Association of the Pulp and Paper Industry (TAPPI)
(see entry 457)
459. TAPPI TECHNICAL INFORMATION SHEETS
Technical data, information and recommended practices representing technical advances in the pulp and paper industry. Loose-leaf format.
Publ.: Technical Association of the Pulp and Paper Industry (TAPPI)
(see entry 457)
460. TAPPI USEFUL METHODS
Reports on procedures in the pulp, paper, converting and allied industries.
No.: 3: Determination of useful fiber in bagasse.
Publ.: Technical Association of the Pulp and Paper Industry (TAPPI)
(see entry 457)
461. THAILAND MINISTRY OF INDUSTRY, DEPARTMENT OF SCIENCE: REPORTS
Irregular.
Kenaf processing to paper pulp. 1972.
Kenaf waste. 1970.
Raw materials for paper pulp from agricultural and industrial by-products. 1972.
Vegetable fibers; raw materials for paper pulp manufacture. 1970.
Publ.: Ministry of Industry
Department of Science
BANGKOK, Thailand
462. TROPICAL PRODUCTS INSTITUTE REPORTS
Irregular.
No. L.1: Examination of mangrove bark for board marking. 1964.
No. 14: Examination of a sample of bagasse from the West Indies for particle board production. 1963.
No. 18: Manufacture of particle board from coffee husks. 1963.
No. 29: The small scale production of board from groundnut shells. 1962.
No. G34: Production of particle board from cassava chips. 1968.
No. G35: Attempts to use coir dust in the preparation of building slabs of hardboard. 1968.
No. G43: Particle board from coconut palm timber. 1969.
No. G55: An enquiry into the feasibility of producing particle board from groundnut husks in India. 1970.
Publ.: Tropical Products Institute
52-62 Gray's Inn Road
LONDON WC1X 8LU, England

463. TRUDY LENINGRADSKOGO TEKHNOLOGICHESKOGO INSTITUTA TSELLIULOZNO-BUMAZHNOI PROMYSHLENNO. II (Research studies of the Leningrad technological institute of the pulp and paper industry)
Irregular. In Russian.

Publ.: Leningradskii Tekhnologicheskii Institut Tseliulozno-bumazhnoi Promyshlennosti
Institutskii Pereulok 5
LENINGRAD, Union of Soviet Socialist Republics

464. UNITED STATES DEPARTMENT OF AGRICULTURE: BULLETIN
Irregular.

- ARS-71-2: Economic factors to be considered in the use of sugar cane bagasse as a raw material for paper and board manufacture. By E. C. Lathrop. 1954. 24 p. plus annex.
ARS-71-4: Method for separating pith bearing plants into fiber and pith. 1955.

Order from:
Superintendent of Documents
United States Government Printing Office
WASHINGTON, D.C. 20402, United States of America

465. UNITED STATES DEPARTMENT OF AGRICULTURE: NORTHERN REGIONAL RESEARCH LABORATORY REPORTS

- AIC-141: Industrial utilization of agricultural residues. By E. C. Lathrop. 1945.
AIC-156: Increasing value of waste products. 1957.
AIC-177: Corncoobs; their composition, availability, farm and industrial uses. 1953.
AIC-323: The characteristics of pulp fibres from agricultural residues. By E. C. Lathrop. 1952.
AIC-352: Nutshells and fruit pits; their composition, availability, agricultural and industrial uses. 1953.

Publ.: United States Department of Agriculture
Agricultural Research Service
Northern Regional Research Laboratory
1815 North University Street
PEORIA, Illinois 61604, United States of America

466. UNIVERSITY OF MINNESOTA AGRICULTURAL EXPERIMENT STATION. TECHNICAL BULLETIN: FORESTRY SERIES
Irregular.

- No. 290: Particle board from aspen flakes and sunflower hulls. 1972.

Publ.: University of Minnesota
Agricultural Experiment Station
St. Paul Campus
ST. PAUL, Minnesota 55101, United States of America

467. VALTION TEKNILLINEN TUTKIMUSLAITUS/STATENS TEKNISKA
FORSKNINGSCENTRAL: REPORTS (State institute for technical
research: reports)
Irregular. In Finnish and Swedish.

Wood No. 31: Investigations on the use of bark and sawdust as
raw materials for particle board. By O. Liiri. 1964.
(Report No. 1)

Publ.: Valtion Teknillinen Tutkimuskeskus
Statens Tekniska Forskningscentral
Lönrotinkatu 37
SF-00180 HELSINKI 18, Finland

SECTION VI

CURRENT PERIODICALS

468. **ALLGEMEINE PAPIER-RUNDSCHAU (APR)** (General paper review)
Weekly. In German; summaries in English. Scientific and technical articles on paper-making.
Publ.: P. Keppeler Verlag KG
Industriestrasse 2
D-6056 HEUSENSTAMM, Federal Republic of Germany
469. **APPITA**
Every two months. Technical and scientific articles. Regular coverage of production, trade and consumption statistics. Price trends. Available in microform.
Publ.: Australian and New Zealand Pulp and Paper Industry Technical Association (APPITA)
Clunies Ross House
191 Royal Parade
PARKVILLE, Victoria 3052, Australia
470. **ASSOCIATION TECHNIQUE DE L'INDUSTRIE PAPETIERE: REVUE**
Ten times a year. In French; summaries in English, French, German, Italian and Spanish.
Publ.: Association technique de l'industrie papetiere (ATIP)
154, boulevard Haussmann
F-75008 PARIS, France
471. **ATIPCA**
Every two months. In Spanish. Features articles, surveys, reviews, and conference reports for engineers and technicians on paper technology, management, design and production research.
Publ.: Asociación de Técnicos de la Industria Papelera y Celulósica Argentina (ATIPCA),
Belgrano 2852
BUENOS AIRES, Argentina
472. **AUSTRALIAN FOREST INDUSTRIES JOURNAL**
Monthly. Covers the manufacture of building boards from wood residues.
Publ.: Australian Forest Industries Journal Pty Ltd
243 Elizabeth Street
SYDNEY, Australia

473. AUSTRALIAN JOURNAL OF AGRICULTURAL RESEARCH
 Every two months.
 Publ.: Australian Journal of Agricultural Research
 372 Albert Street
 EAST MELBOURNE, Victoria 3002, Australia
474. BIULETYN IPWL (Bulletin of the institute of bast fibre industries)
 Monthly. In Polish.
 Publ.: Instytut Przemysłu Włókien Lykowych (IPWL)
 Ul. Wojska Polskiego 71C
 POZNAN, Poland
475. BOARD MANUFACTURE AND PROCESSING
 Monthly. Deals with the manufacture of fibreboard, chipboard and
 plywood.
 Publ.: Pressmedia Ltd
 Overmoigne
 DORCHESTER, Dorset, England
476. BULLETIN VYSKUMNEHO USTAVU PAPIERU A CELULOZY
 (Bulletin of the pulp and paper research institute)
 In Slovak. Frequent features on the use of annual crop residues in the
 manufacture of pulp and paper.
 Publ.: Vyskumny Ustav Papieru a Celulozy
 Lamačska 3
 89020 BRATISLAVA, Czechoslovakia
477. BUMAZHNAIA PROMYSHLENNOST' (Paper industry)
 Monthly. In Russian.
 Publ.: Ministerstvo Tseliulozno-Bumazhnoi Promyshlennosti SSSR
 Ul. 25 Oktiabria
 MOSCOW K-12, Union of Soviet Socialist Republics
478. CANADIAN PULP AND PAPER INDUSTRY
 Monthly. Covers all areas of the pulp and paper industry, including
 experiments in the use of agricultural residues.
 Publ.: MacLean-Hunter Ltd
 481 University Avenue
 TORONTO MSW 1A7, Canada
479. CANE GROWERS' QUARTERLY BULLETIN
 Quarterly. Gives information on industrial uses of bagasse.
 Publ.: Bureau of Sugar Experiment Stations
 Box 292
 NORTH BRISBANE, Queensland 4000, Australia
480. CELLULOSA E CARTA (Cellulose and paper)
 Monthly. In Italian; summaries in English, French and German.
 Publ.: Ente Nazionale per la cellulosa e per la Carta
 Viale Regina Margherita 262
 I-00198 ROME, Italy

481. **CELLULOSE CHEMISTRY AND TECHNOLOGY**
Every two months. In English, French, German and Russian.
International journal for the physics, chemistry and technology of
cellulose and lignin.
Publ.: Editura Academiei Republicii Socialiste Romania
P.O. Box 136-137
Calea Grivetei 64-66
BUCHAREST, Romania
482. **CELULOZA SI HIRTIE (Pulp and paper)**
Monthly. In Romanian; summaries in English, French, German and
Russian.
Publ.: Centrul de Documentare al Industriei Chimice si Petroliere
Soseaua Pipera 46
BUCHAREST 2, Romania
483. **CENICAFE**
Quarterly. Includes information on industrial uses of coffee wastes.
Publ.: Centro National de Investigaciones de Café
Sección de Publicaciones y Relaciones Públicas
Chinchina, Caldas, Colombia
484. **CEREAL CHEMISTRY**
Every two months. Gives results of current research in cereal chemistry
and technology. Available on microfilm and microfiche.
Publ.: American Association of Cereal Chemists
3340 Pilot Knob Road
ST. PAUL, Minnesota 55121, United States of America
485. **CEYLON COCONUT QUARTERLY**
Quarterly. Gives information on coconut husk utilization.
Publ.: Coconut Research Board
Bandirippuwa Estate
LUNUWILLA, Sri Lanka
486. **COCO NEWS**
Monthly. Commercial, economic and technical information on coir,
coconut and derived products for the Philippines.
Publ.: Philippine Coconut Authority
Don Marcos Avenue, Diliman
QUEZON CITY, Philippines
487. **COIR**
Quarterly. Reports on Indian experiments in coconut waste utilization in
the building board and pulp industries.
Publ.: The Secretary
Coir Board
COCHIN 16, India

488. **CUBA AZUCAR**
 Monthly. In Spanish; summaries in English and French. Covers the agriculture and processing of sugar-cane, including the uses of bagasse.
 Publ.: Ministerio de la Industria Azucarera
 Apartado Postal 6565
 HAVANA, Cuba
489. **DREVARSKY VYSKUM (Wood review)**
 Quarterly. In Czech, English, German, Russian and Slovak. Frequent reports on the use of flax in particle-board manufacture.
 Publ.: Státny Drevársky Výskumny Ustav
 Lamačska Cesta 1
 89129 BRATISLAVA, Czechoslovakia
490. **DREVO (Wood)**
 Monthly. In Czech and Slovak; contents in French, German and Russian.
 Publ.: Alfa Publishers
 Hurvanovo Namesti 3
 89331 BRATISLAVA, Czechoslovakia
491. **EAST AFRICAN AGRICULTURAL AND FORESTRY JOURNAL**
 Quarterly. Gives information on the use of agricultural residues. Available on microfilm.
 Publ.: East African Agricultural and Forestry Office
 P.O. Box 30148
 NAIROBI, Kenya
492. **FAIPAR (Wood industry)**
 Monthly. In Hungarian; summaries in German and Russian. Technical and research articles on wood technology and forest products.
 Publ.: Lapkiado Vallalat
 Lenin Korut 9-11
 H-1073 BUDAPEST 7, Hungary
493. **FASERFORSCHUNG UND TEXTILTECHNIK (Fibre research and textile technology)**
 Monthly. In German; summaries in English and Russian.
 Publ.: Akademie Verlag GmbH
 Leipzigerstrasse 314
 DDR-108 BERLIN, German Democratic Republic
494. **FOREST INDUSTRIES**
 Monthly.
 Publ.: Miller Freeman Publications
 500 Howard Street
 SANFRANCISCO, California 94105, United States of America
495. **FOREST PRODUCTS JOURNAL**
 Monthly. Covers research and development in the wood products industries including wood waste utilization. Abstracts, book reviews, statistics.
 Publ.: Forest Products Research Society
 2801 Marshall Court
 MADISON, Wisconsin 53705, United States of America

496. **FORPRIDE DIGEST**
 Quarterly. Reports on research and forest industries development efforts in the Philippines.
 Publ.: Forest Products Research and Industries Development Commission
 College Post Office
 LAGUNA E-109, Philippines
497. **HOLZ ALS ROH- UND WERKSTOFF** (Wood as raw and semi-finished material)
 Monthly. In German; summaries in English.
 Publ.: Springer Verlag
 Heidelberger Platz 3
 D-1000 BERLIN (WEST) 33
498. **HOLZFORSCHUNG** (Wood research)
 Every two months. In German; abstracts in English and German. Technical and scientific articles on wood physics, chemistry and technology.
 Publ.: Technischer Verlag Herbert Gram
 Genthinerstrasse 13
 D-1000 BERLIN (WEST) 30
499. **HOLZTECHNOLOGIE** (Wood technology)
 Quarterly. In German; contents page in English and Russian.
 Publ.: VEB Fachbuchverlag
 Karl Heine-Strasse 16
 DDR-7031 LEIPZIG, German Democratic Republic
500. **ICIDCA**
 Quarterly. In Spanish. Covers technology of all sugar-cane derivatives.
 Publ.: Instituto Cubano de Investigaciones de los Derivados de la Caña de Azúcar (ICIDCA)
 Apartado 4026
 Via Blanca y Carretera Central
 Guanabacoa
 HAVANA 10, Cuba
501. **INDIAN COCONUT JOURNAL**
 Monthly. Covers the utilization of coconut husks in the building board industry.
 Publ.: Central Coconut Research Station,
 KAYANKULAM, India
502. **INDIAN COFFEE**
 Monthly. In English, Kannada, Malayalam and Tamil. Includes uses of coffee grain husks.
 Publ.: Coffee Board
 Box 5366
 BANGALORE, India

503. **INDIAN FORESTER**
Monthly. Frequent reports on industrial uses of forest wastes.
Publ.: Forest Research Institute and Colleges
P.O. New Forest
DEHRA DUN, Uttar Pradesh, India
504. **INDIAN PULP AND PAPER**
Every two months. Frequent features on the use in agricultural wastes (banana, areca nut, coconut wastes) in the Indian pulp and paper industry.
Publ.: R. N. Chatterjee Publishers
15 Indian Exchange Place, 3rd floor
CALCUTTA 700 017, India
505. **INDUSTRIAL AND ENGINEERING CHEMISTRY**
Quarterly. Scientific papers in chemical engineering showing application of principles of chemical, physical and mathematical sciences.
Publ.: American Chemical Society (ACS)
1155 Sixteenth Street, N.W.
WASHINGTON, D.C. 20036, United States of America
506. **INDUSTRIA LEMNULUI (Woodworking industry)**
Monthly. Text in Romanian; summaries in English, French, German and Russian. Includes wood waste utilizations.
Publ.: Ministry of Forestry and the National Council of Engineers and Technicians
Soseaua Pipera 46, sectorul 2
BUCHAREST 30, Romania
507. **INTERNATIONAL JOURNAL**
Monthly. Technical and commercial periodical covering the sugar industry.
Publ.: International Sugar Journal Ltd
23A Easton Street
HIGH WYCOMBE, Buckinghamshire HP14 4ND, England
508. **INTERNATIONAL PRESS CUTTING SERVICE: PAPER-, PULP-, BOARD STRAW**
Weekly.
Publ.: International Press Cutting Service
Box 63
ALLAHABAD 211 001, India
509. **IPPTA**
Quarterly.
Publ.: Indian Pulp and Paper Technical Association (IPPTA)
c/o Andhra Pradesh Paper Mills Ltd
RAJAHMUNDRY 1, India

510. **JAPANESE TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY: JOURNAL/KAMI PA GIKYOSHI**
 Monthly. In Japanese; summaries in English.
 Publ.: Japanese Technical Association of the Pulp and Paper Industry
 Kami-Parupu Kaikan
 9-11, 3-chome, Ginza
 Chuo-ku
 TOKYO 104, Japan
511. **JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY**
 Every two months. Reports on original research in various areas of agricultural and food processing chemistry.
 Publ.: American Chemical Society (ACS) (see entry 505)
512. **JOURNAL OF SCIENTIFIC AND INDUSTRIAL RESEARCH**
 Monthly. Frequent features on agricultural wastes utilization in India.
 Publ.: Council of Scientific and Industrial Research
 Publications and Information Directorate
 Hillside Road
 NEW DELHI 110 012, India
513. **JOURNAL OF THE HOKKAIDO FOREST PRODUCTS RESEARCH INSTITUTE**
 Reports on research, including uses of wood wastes.
 Publ.: Hokkaido Forest Products Research Institute
 12-chome, Midori-machi
 ASAHIGAWA, Hokkaido, Japan
514. **JUTE BULLETIN**
 Monthly. Gives information on the use of jute sticks in the manufacture of building boards.
 Publ.: Jute Technological Research Laboratories
 12 Regent Park, Tollygunge
 CALCUTTA 40, India
515. **LESNAIA PROMYSHLENNOST' (Forest industry)**
 Monthly. In Russian.
 Order from:
 Mezhdunarodnaia Kniga
 Smolenskaia Sennaia 32-34
 MOSCOW G-200, Union of Soviet Socialist Republics
516. **THE MALAYSIAN AGRICULTURAL JOURNAL**
 Twice a year.
 Publ.: Ministry of Agriculture
 Swettenham Road
 KUALA LUMPUR, Malaysia
517. **NORSK SKOGINDUSTRI (Norwegian wood industry)**
 Monthly. In English and Norwegian. Journal of the Norwegian paper, pulp, timber and wall-board manufacturing industries.
 Publ.: Norsk Skogindustri
 Drammensveien 30
 OSLO 2, Norway

518. PAKISTAN JOURNAL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
Every two months. In English.
Publ.: Pakistan Council of Scientific and Industrial Research
39 Garden Road
KARACHI, 0310, Pakistan
519. PAPER
(Incorporates *World's Paper Trade Review* and *Paper Maker*)
Twice a month. In English; summaries in French and German. Covers the pulp, paper and board making and associated engineering industries.
Publ.: Benn Brothers Ltd
25 New Street Square
LONDON EC4A 3JA, England
520. PAPERI JA PUU/PAPPER OCH TRA/PAPER AND TIMBER
Monthly. In English, Finnish and Swedish. Scientific and technical articles on the paper and pulp industry. Abstracts.
Publ.: Finnish Paper and Timber Journal Publishing Company
Pietarinkatu 1C
SF-00140 HELSINKI, Finland
521. PAPER TECHNOLOGY AND INDUSTRY
Every two months. Covers paper-making technology, materials, equipment and engineering. Book reviews and papers.
Publ.: British Paper and Board Industry Federation
Plough Place, Fetter Lane
LONDON EC4A 1AL, England
522. PAPER TRADE JOURNAL
Weekly. Gives technical, economic and commercial information on the pulp and paper industry, including new technical advances. Available in microform.
Publ.: Vance Publishing Corporation
133 East 58th Street
NEW YORK, New York 10022, United States of America
523. PAPETERIE
Monthly. Technical and commercial journal.
Publ.: Ancienne Maison l'Homme et Argy
9, rue Lagrange
F-75005 PARIS, France
524. DAS PAPIER (Paper)
Monthly. In German; contents in English. Journal for the production of pulp, cellulose, paper and paperboard and the chemical technology of cellulose.
Publ.: Eduard Roether Verlag
Berliner Allee 56
D-6100 DARMSTADT, Federal Republic of Germany

525. PAPIR A CELULOZA (Paper and cellulose)
 Monthly. In Czech and Slovak; summaries in English, German and Russian. Scientific and technical articles.
 Publ.: Statni Nakladatelstvi Technicke Literatury
 Spalena 51
 11302 PRAGUE 1, Czechoslovakia
526. PAPIRIPAR (Paper industry)
 Every two months. In Hungarian; summaries in German and Russian. Scientific and technical articles.
 Publ.: Papir-es Nyomdaipari Muszaki Egyesulet
 Kossuth Lajos tér 6-8
 H-1055 BUDAPEST 5, Hungary
527. PHILIPPINE AGRICULTURIST
 Monthly. Frequent features on agricultural wastes utilization.
 Publ.: University of the Philippines at Los Baños
 College of Agriculture
 LAGUNA E-109, Philippines
528. PLYWOOD AND PANEL MAGAZINE
 Monthly. Covers production technology trends, book reviews, statistics.
 Publ.: Curtis Publishing Company
 P.O. Box 567-B
 1100 Waterway Boulevard
 INDIANAPOLIS, Indiana 46206, United States of America
529. PRACE INSTYTUTY PRZEMYSŁU WLOKIEN LYKOWYCH (Papers of the institute of bast fibre industries)
 Annual. In English and Polish. Research papers.
 Publ.: Instytut Przemysłu Włokien Lykowych (IPWL) (see entry 474)
530. PRACE INSTYTUTY TECHNOLOGII DREWNA (Publications of the wood technology institute)
 Quarterly. Text in Polish; contents page and summaries in English and Russian.
 Publ.: Instytut Technologii Drewna
 Ul. Winiarska 1
 60-654 POZNAN, Poland
531. PRZEMYSŁ DRZEWNY (Timber industry)
 Monthly. In Polish; summaries in English and Russian. Covers the manufacture of building boards from annual crop wastes.
 Publ.: Wydawnictwa Czasopism Technicznych
 Czackaego 35
 WARSAW, Poland
532. PULP AND PAPER
 Monthly. Covers pulp and paper manufacture. New products, book reviews, financial news and index.
 Publ.: Miller Freeman Publications (see entry 494)

533. PULP AND PAPER CANADA
Monthly. Covers mills and industry processes. Includes the pulping of bagasse and other crop wastes.
Publ.: National Business Publications Ltd
310 Victoria Avenue
WESTMOUNT, Quebec H3Z 2M9, Canada
534. PULP AND PAPER INTERNATIONAL
Monthly. In English; summaries in French, German and Spanish. World-wide information on production, trade, consumption, statistics, production technology and trends.
Publ.: Miller Freeman Publications (see entry 494)
535. REVISTA CUBANA DE CIENCIAS AGRICOLAS
Quarterly. In English and Spanish. Frequent articles on the utilization of agricultural residues, mainly from sugar-cane.
Publ.: Instituto de Investigaciones Tropicales
Santiago de Las Vegas
HAVANA, Cuba
536. REVISTA DE AGRICULTURA DE PUERTO RICO
Twice a year. Frequent features on agricultural by-products utilization.
Publ.: Department of Agriculture
Box 10163
SAN JUAN, Puerto Rico
537. REVISTA DE AGROQUIMICA Y TECNOLOGIA DE ALIMENTOS
Quarterly. In Spanish; summaries in English. Deals with all aspects of agricultural chemistry and food technology.
Publ.: Instituto de Agroquímica y Tecnología de Alimentos
Jaime Roig 11
VALENCIA 10, Spain
538. REVISTA ICA
Quarterly. In Spanish.
Publ.: Instituto Colombiano Agropecuario (ICA)
División de Comunicación Rural
Apartado Aéreo 151123
BOGOTÁ, Colombia
539. REVISTA PADURILOR: INDUSTRIA LEMNULUI CELULOZA SI HIRTIE (Forest magazine: woodworking, cellulose and paper industry)
Quarterly. In Romanian; summaries in English, French, German and Russian.
Order from:
II EXIM
P. O. Box 136-137
Calea Grivetei 64-66
BUCHAREST, Romania

540. **RICE JOURNAL**
Ten times a month. Frequent features on rice waste utilization.
Publ.: Gordon S. Carlson
P.O. Drawer G.G.
MCLEAN, Virginia 22101, United States of America
541. **SMALL INDUSTRY JOURNAL**
Quarterly. Focuses on agro-industries. Special issue on agricultural waste utilization: Vol. 9, No. 4, 1976.
Publ.: Institute for Small-Scale Industries
University of the Philippines
Virata Hall
QUEZON CITY D-505, Philippines
542. **SOBRE LOS DERIVADOS DE LA CAÑA DE AZUCAR**
Three times a year. In Spanish; summaries in English. Covers economic and engineering aspects of the uses of sugar-cane derivatives.
Publ.: Instituto Cubano de Investigaciones de los Derivados de la Caña de Azúcar (ICIDCA) (see entry 500)
543. **SOUTHERN PULP AND PAPER MANUFACTURER**
Monthly, with an annual review issue. Covers manufacturing, chemical processing and engineering news.
Publ.: Ernest H. Abernethy Publishing Company
75 Third Street, N.W.
ATLANTA, Georgia 30308, United States of America
544. **SUGAR JOURNAL**
Monthly. News and market information on the sugar industry.
Publ.: Sugar Journal
c/o W. Flanagan
107 Camp Street
NEW ORLEANS, Louisiana 70130, United States of America
545. **SUGAR Y AZUCAR**
Monthly. Covers all phases of sugar-cane and sugar-beet growing and processing.
Publ.: Palmer Publications
25 West 45th Street
NEW YORK, New York 10036, United States of America
546. **SVENSK PAPPERSTIDNING (Swedish paper journal)**
Twice a month. In English and Swedish. Scientific and technical articles on paper and pulping.
Publ.: AB Svensk Papperstidning
Villagatan 1
S-114 32 STOCKHOLM, Sweden
547. **TAPPI**
Monthly. Technical journal devoted to basic research and technology of the pulp and paper industry.
Publ.: Technical Association of the Pulp and Paper Industry (TAPPI)
1 Dunwoody Park
ATLANTA, Georgia 30338, United States of America

548. **TIMBER BULLETIN FOR EUROPE/BULLETIN DU BOIS POUR L'EUROPE**
 Quarterly. In English and French. Gives statistics on production, trade and prices for timber products, with occasional supplements on the wood trade, including wood-based panels.
 Publ.: Joint FAO/ECE Secretariat of the Timber Division Committee of the United Nations Economic Commission for Europe (ECE)
 Palais des Nations
 CH-1211 GENEVA 10, Switzerland
549. **TREND**
 Twice a year. Scientific and technical articles on pulping and paper.
 Publ.: Pulp and Paper Research Institute of Canada
 570 St. John's Boulevard
 POINTE CLAIRE 720, Québec H9R 3J9, Canada
550. **TROPICAL SCIENCE**
 Quarterly. Covers scientific and technical aspects of tropical agriculture.
 Order from:
 Her Majesty's Stationery Office
 49 High Holborn
 LONDON WC1V 6HB, England
551. **TURRIALBA**
 Frequent features on agricultural wastes utilization with special focus on coffee residues.
 Publ.: Centro Interamericano de Documentación y Información Agrícola (CIDIA)
 P.O. Box 74
 TURRIALBA, Costa Rica
552. **WOCHENBLATT FUER PAPIERFABRIKATION (Paper manufacture weekly)**
 Twice a month. In German. Technical journal for the paper and board industry.
 Publ.: Güntter Staib Verlag
 Postfach 180
 Bismarckring 49
 D-7950 BIBERACH, Federal Republic of Germany
553. **WOOD AND FIBRE**
 Quarterly. Technological and scientific articles on wood science and technology.
 Publ.: Society of Wood Science and Technology
 P.O. Box 5062
 MADISON, Wisconsin 53705, United States of America
554. **WOOD AND WOOD PRODUCTS**
 Monthly. Technical and economic information on all aspects of wood-based panels. Book reviews, abstracts, statistics.
 Publ.: Vance Publishing Corporation
 300 West Adams Street
 CHICAGO, Illinois 60606, United States of America

555. **WORLD WOOD**
Monthly. international coverage on primary wood industries. Annual special statistical issue, "*World Wood Review*" (see entry 340).
Publ.: Miller Freeman Publications (see entry 494)
556. **ZELLSTOFF UND PAPIER (Pulp and paper)**
Monthly. In German; summaries in English and Russian. Scientific and technical articles on wood-pulp, paper-making and equipment.
Publ.: VEB Fachbuchverlag (see entry 499)

SECTION VII

CURRENT ABSTRACTING AND INDEXING PERIODICALS

Guides to the location of published works, mainly journal articles, giving either bibliographical information or summaries (abstracts).

557. **ABSTRACTS ON TROPICAL AGRICULTURE**
(Formerly *Tropical Abstracts*)
Monthly. Covers literature on tropical and subtropical agriculture.
Commodity, author and country index.
Publ.: Koninklijk Instituut voor de Tropen
Mauritskade 63
AMSTERDAM 5, Netherlands
558. **BILTEN DOKUMENTACIJE: INDUSTRIJA TEKSTILA I PAPIRA**
(Bulletin of documentation: textile and paper industry)
Monthly. In Serbo-Croatian. Covers domestic and foreign journals,
books, patents, standards etc. Issues about 1,900 abstracts a year on the
textile, pulp and paper industry.
Publ.: Jugoslovenski Centar za Tehničku i Naučnu Dokumentaciju
Slobodana Penezića-Krčuna 29-31
BELGRADE, Yugoslavia
559. **CDIUPA: BULLETIN BIBLIOGRAPHIQUE**
Monthly. Issues about 8,000 abstracts a year, covering 500 journals,
books, reports and conference proceedings. Available on microfiche.
Publ.: Centre de documentation des industries utilisatrices de produits
agricoles (CDIUPA)
Avenue des Olympiades
F-91305 MASSY, France
560. **CENTRE TECHNIQUE DU BOIS: BULLETIN BIBLIOGRAPHIQUE**
Five times a year. Abstracts from domestic and foreign journals.
See: Déchets et leurs utilisations, Section 56.
Publ.: Centre technique du bois
10, avenue de Saint-Mandé
F-75012 PARIS, France

561. **CHEMICAL ABSTRACTS: APPLIED CHEMISTRY AND CHEMICAL ENGINEERING SECTIONS**
Twice a month. International coverage of journals, patents, books, conference proceedings and United States Government research reports.
Publ.: American Chemical Society (ACS)
Chemical Abstracts Service
P.O. Box 3012
COLUMBUS, Ohio 43210, United States of America
562. **EKSPRESS-INFORMATSIIA: TSELLIULOZNO-BUMAZHNAIA PROMYSHLENNOST'**
(Express information: pulp and paper industry)
Forty-eight times a year. In Russian. Gives digest of current articles and reports.
Order from:
Mezhdunarodnaia Kniga
Smolenskaia Sennaia 32-34
MOSCOW G-200, Union of Soviet Socialist Republics
563. **EPA QUARTERLY ABSTRACT BULLETIN**
Prepared by the Environmental Protection Agency (EPA). Quarterly. Gives information on agricultural wastes.
Order from:
National Technical Information Service
5285 Port Royal Road
SPRINGFIELD, Virginia 22161, United States of America
564. **FAO DOCUMENTATION: CURRENT BIBLIOGRAPHY**
Monthly. In English, French and Spanish. Abstracts of all FAO documents and publications. Author and subject index.
See: Agricultural residues
Crop residues
Wood waste
Publ.: Food and Agriculture Organization of the United Nations (FAO)
FAO Documentation Centre
Via delle Terme di Caracalla
I-00100 ROME, Italy
565. **INDUSTRIAL DEVELOPMENT ABSTRACTS**
Every two months. Abstracts of UNIDO papers, reports and publications.
See: Agricultural wastes.
Publ.: United Nations Industrial Development Organization (UNIDO)
P.O. Box 707
A-1011 VIENNA, Austria
566. **INSTITUTE OF PAPER CHEMISTRY: ABSTRACT BULLETIN**
Monthly with keyword supplements twice a year. Covers domestic and foreign journals, patents, books and conference papers. Available on microfiche and microfilm.
Publ.: Institute of Paper Chemistry
P.O. Box 1046
1043 East South River Street
APPLETON, Wisconsin 54911, United States of America

567. **MUESZAKI LAPSZEMLE: FAIPAR, PAPIR ES NYOMDAIPAR** (Technical abstracts: woodworking, paper and printing industry)
 Monthly. In Hungarian. Arranged by subject and by Universal Decimal Classification (UDC). Subject index.
 Publ.: Országos Műszaki Könyvtár és Dokumentációs Központ
 P.O. Box 12
 Reviczky utca 6
 H-1428 BUDAPEST 8, Hungary
568. **OESTERREICHISCHES HOLZFORSCHUNGSINSTITUT: SCHRIFT-TUMSKARTEIDIENST** (Austrian wood research institute: abstracts card-file service)
 Twice a month. In English, French and German.
 Publ.: Österreichisches Holzforschungsinstitut
 Arsenal, Objekt 212
 A-1030 VIENNA, Austria
569. **PAPER AND BOARD ABSTRACTS**
 Monthly. Covers 150 journals, books, reports, conference proceedings, patents and pamphlets. Arranged by subject. Annual author and subject index.
 Publ.: Paper and Board, Printing and Packaging Industries Research Association (PIRA)
 Randalls Road
 LEATHERHEAD, Surrey KT22 7RU, England
570. **PREHLAD LESNICKEI, DREVARSKEI, CELLULOSOVEI A PAPIERENSKEI LITERATURY** (Review of the forest, wood, cellulose and paper literature)
 Ten times a year. Covers domestic and foreign journals, books, patents and standards. Arranged by subject.
 Publ.: Státny Drevársky Výskumny Ustav
 Lamačska 5
 83000 BRATISLAVA, Czechoslovakia
571. **PRZEGLAD PAPIERNICZY** (Polish paper review)
 Monthly. In Polish.
 Order from:
 Ars Polona-Ruch
 Krakowskie Przedmiescie 7
 WARSAW, Poland
572. **SCHNELL DOKUMENTATIONS-KARTEIDIENST DES ARCHIVS ZELLCHEMING** (Rapid documentation card-file service of the archive Zellcheming)
 Monthly. In German.
 Publ.: Archiv Zellcheming
 Alexanderstrasse 24
 D-6100 DARMSTADT, Federal Republic of Germany
573. **WOOD PRODUCTS INDUSTRY ABSTRACT BULLETIN**
 Six times a year.
 Publ.: College of Engineering
 Washington State University
 Engineering Extension Service
 PULLMAN, Washington 99163, United States of America

SECTION VIII

PROCEEDINGS, PAPERS AND REPORTS

A. United Nations and related bodies¹

574. Use of agricultural and industrial wastes in low-cost construction. New York, 1977.

Economic Commission for Africa (ECA)

575. Les matériaux de construction en Afrique et les perspectives d'utilisation des déchets. Mimeographed, 1967. (Report 65-3480)
576. Forest industries development in West Africa. Paper presented to the Sub-regional Meeting on Economic Co-operation in West Africa, Niamey, Niger, 26 September-7 October 1966. 140 p. (E/CN.14/INR/108)
577. Development of forest industries in Africa. Paper presented to the Meeting of the Economic Commission for Africa and the Centre for Industrial Development in Africa, Cairo, 27 January-10 February 1966. 62 p. (E/CN.14/AS/III/3)

Food and Agriculture Organization of the United Nations (FAO)

578. Intergovernmental Group of Hard Fibers to the Committee on Commodity Problems, New Delhi, 14-19 March 1977. Report of the Twelfth Session. 24 p. (CCP.77/12) (CCP.HF.77/10)
579. Intergovernmental Group on Jute, Kenaf and Allied Fibers, Rome, 18-20 October 1976. Report of the Twelfth Session. See: Reports of former sessions.
580. World Consultation of Wood-based Panels, New Delhi, 6-16 February 1975. Proceedings. Brussels, Miller Freeman Publications, 1976 (FAO/WCW-BP/75). See: Review of agricultural residues utilization for production of panels, Document 127.
581. FAO Committee on Wood-based Panel Products, Rome, 2-4 December 1970. Papers presented to the Third Session. (FAO/WPP/707)
582. FAO Committee on Wood-based Panel Products, Rome, 6-8 November 1968. Papers presented to the Second Session (FAO/WPP/68)

¹ Arranged in reverse chronological order.

583. Paper and pulp material survey: Thailand. Final report. 1968. 2 vols. (FAO/SF: 46/THA-11)
584. FAO Technical Working Party on Coconut Production, Protection and Processing, Djakarta, Indonesia, 9-19 September 1968. Papers presented to the Third Session. Rome, FAO, 1969. (PL/CNP/68)
585. FAO Committee on Wood-based Panel Products, Rome, 12-14 December 1966. Papers presented to the First Session. (FAO/WPP/66)
586. Plywood and other wood-based panels. Report of the International Consultation on Plywood and Other Wood-based Panel Products, Rome, 8-19 July 1963.
587. Pulp and paper prospects in Latin America. Rome, FAO, 1963. 81 p.

United Nations Industrial Development Organization (UNIDO)²

588. Joint UNEP/UNIDO Seminar on the Implication of Technology Choice in the African Sugar Industry, Nairobi, Kenya, 18-22 April 1977. Selected papers:
- ID/WG.247/6: Potentials and impact of by-products of the sugar cane industry. 31 p.
- ID/WG.247/16: Possibilities for the further processing of sugar industry by-products. 18 p.
589. Potential for the utilization of agricultural residues for the production of particle board and fibreboard in Africa. Paper presented to the Second Seminar on Wood-based Panels for African Countries, Helsinki, 9 August-3 September 1975. 17 p.
590. Report of the Expert Group Meeting on the Production of Panels from Agricultural Residues. 37 p. (Sales No. 72.II.B.4)
591. Interregional Seminar on the Industrial Processing of Rice, Madras, India, 11-16 October 1971. Selected papers:
- ID/WG.89/14: Paddy husk utilization. 34 p.
- ID/WG.89/16: Paddy husk utilization. 43 p.
- ID/WG.89/23. Water resistant composite board from rice husks. 9 p.
592. Expert Group Meeting on Pulp and Paper in Developing Countries, Vienna, 13-17 September 1971. Papers presented to the Meeting. (ID/WG.102/1-33)
593. Expert Group Meeting on Pulp and Paper in Developing Countries, Vienna, 13-17 September 1971. Report. 1973. 67 p. (ID/111) (ID/WG.102/34/Rev.1)
594. A review of bagasse technology for the production of pulp and paper. 1971. 49 p. (UNIDO/ITD.40)

² Discussion papers (ID/WG.../series) are mimeographed documents issued in limited number; copies may no longer be available for distribution.

595. Papers presented to the Expert Group Meeting on the Production of Panels from Agricultural Wastes, Vienna, 14-18 December 1970. (ID/WG.83/1-14)
596. Fibro-cement composites. Report and proceedings of the Expert Group Meeting on Fibro-Cement Composites, Vienna, 20-24 October 1969. 45 p. (Sales No. 71.II.B.1)

Documents issued jointly by United Nations bodies

597. Residue utilization. Management of agricultural and agro industrial wastes. Report of the UNEP/FAO Seminar on Residue Utilization, Rome, 18-21 January 1977. Rome, FAO, 1977. 67 p.
598. FAO/ECE Symposium on Extending the Use of Wood Residues, Bucharest, 27 September-1 October 1976. Papers presented to the Symposium. Geneva, Joint ECE/FAO Timber Division, 1977. 434 p.
See: Vol. XXIX, Supplement of *Timber Bulletin for Europe*, June 1977.
599. Regional Consultation on the Development of the Forest and Pulp and Paper Industries in Latin America, Mexico City, 19-26 May 1970. Papers presented to the Consultation. (ECLA/FAO/UNIDO/(FORIND) 70)
600. Symposium on the Mechanization of Harvesting of Small-sized Wood and Logging Residues, Warsaw, 12-14 June 1968. Papers presented to the Symposium. (FAO/ECE/LOG/233)
601. Biennial survey of the production capacity of, and raw material consumption by, the panel products industries, Geneva, UNCTAD/FAO, 1967. 18 p.
602. Pulp and paper development in Africa and the Near East. Technical papers presented to the FAO/ECA Conference on Pulp and Paper Developments in Africa and the Near East, Cairo, 8-18 March 1965. Rome, FAO, 1968. 2 vols. (ECA/BTAO/FAO/CONF/PAPERS)
603. Pulp and paper prospects in Asia and the Far East. Report prepared by the Economic and Social Commission for Asia and the Pacific. Rome, FAO, 1962. 2 vols.
604. UNESCO/FAO Regional Symposium on Pulp and Paper Research and Technology, in the Middle East and North Africa, Beirut, 1962. Proceedings.
605. Fibreboard and particleboard. Report of a FAO/ECE International Consultation on Insulation Board, Hardboard and Particleboard, Geneva, 21 January-4 February 1957. Rome, FAO, 1958. 192 p. (FAO/ECE/BOARD/CONS/PAPERS)

B. Miscellaneous

606. Agricultural waste as a civil engineering material. Karaj, Iran, Institute of Standards and Industrial Research, 1970. 23 p.

607. Annual conference of the International Society of Sugar Cane Technologists. Proceedings. São Paulo, Brazil.
608. Annual Symposium of the Washington State University on particleboard. Proceedings. Pullman, Washington, Washington State University.
609. Canadian Pulp and Paper Association. Annual proceedings. Montreal, Quebec.
610. Canadian Pulp and Paper Association. Annual pulp and paper report. Montreal, Quebec.
611. Coconut Stem Utilization Seminar held at Nuku'alofa, Tonga, 25-29 October 1976 under the New Zealand Aid Programme for the South Pacific Region. Report. Wellington, Ministry of Foreign Affairs, 1977. 518 p.
612. Converting bark into opportunities. Proceedings of a Conference held at the Oregon State University, School of Forestry, 8-9 March 1971. Corvallis, Oregon.
613. Draft status report on utilizations and recycling of wastes. New Delhi, India, National Committee on Science and Technology, 1975.
614. EUCEPA/FAO/UNIDO-sponsored International Symposium on New Forest Resources for the Paper Industry and Their Application, Madrid, 6-8 May 1974. Papers presented to the Symposium. Madrid, Asociación de Investigación Técnica de la Industria Papelera Española.
615. Fiber conservation and utilization. By P. D. Van Derveer and K. E. Lowe, eds. Proceedings of the Pulp and Paper Seminar held in Chicago, Illinois, May 1974. San Francisco, California, Miller Freeman Publications, 1975. 288 p.
616. The industrialization of the coconut husks and the two main industries it will develop: the cocunut fiber industry and the wallboard industry. Manila, Philippines, Ffco Manufacturing Enterprises. (No date)
617. International Conference on Rice By-product Utilization, Valencia, Spain, 29 September-2 October 1974. Papers presented to the Conference. Valencia, Instituto de Agroquímica y Tecnología de Alimentos.
618. A kenaf for paper pulp development program. New York, Agri-business Consultants. 29 p. (No date)
619. Kenaf for paper-pulp in the Lower-Mekong Basin. A pre-feasibility study prepared for the Committee for Coordination of Investigations in the Lower-Mekong Basin. New York, Atchison Consultants, 1976. 77 p. plus annex.
620. Manufacturing of pulp and paper from bagasse. Tokyo, Japan Consulting Institute, 1977. 39 p.
621. Mauritius Sugar Industry Research Institute. Annual report. Réduit.

622. A project for a 5-10 ton paper plant based on agricultural residues like jute-sticks, rice straw etc. Calcutta, India, Jute Technological Research Laboratories, 1975.
623. Recent developments in pulp and paper making. Papers presented to the seventeenth EUCEPA Conference (European Liaison Committee for Cellulose and Paper), Vienna, 10-14 October 1977. 2 vols. plus abstract vol.
624. Report on the utilization of kenaf in the manufacture of pulp and paper. Colombo, Sri Lanka, Eastern Paper Mills, 1974.
625. Rice hull utilization. Final report prepared for the Western Utilization Research and Development Division of the Agricultural Research Service, Albany, California. San Mateo, California, URS Research Company, 1970. 98 p. (URS.776-10)
626. Utilization of bagasse: Review of bagasse technology. Portland, Oregon, Sandwell International, 1969. 47 p. (Report P/2368/1)
627. Utilization of bagasse: Utilization of bagasse in Mauritius. Portland, Oregon, Sandwell International, 1969. (Report P/2368/2)
628. Utilization of waste products from the forest industry. Stockholm, Swedish Forest Products Research Laboratory. 40 p. (No date)
629. Wallboard manufacture from bagasse. Washington D.C., Agency for International Development, Office of Technical Cooperation and Research. (No date) (IR19569)

SECTION IX

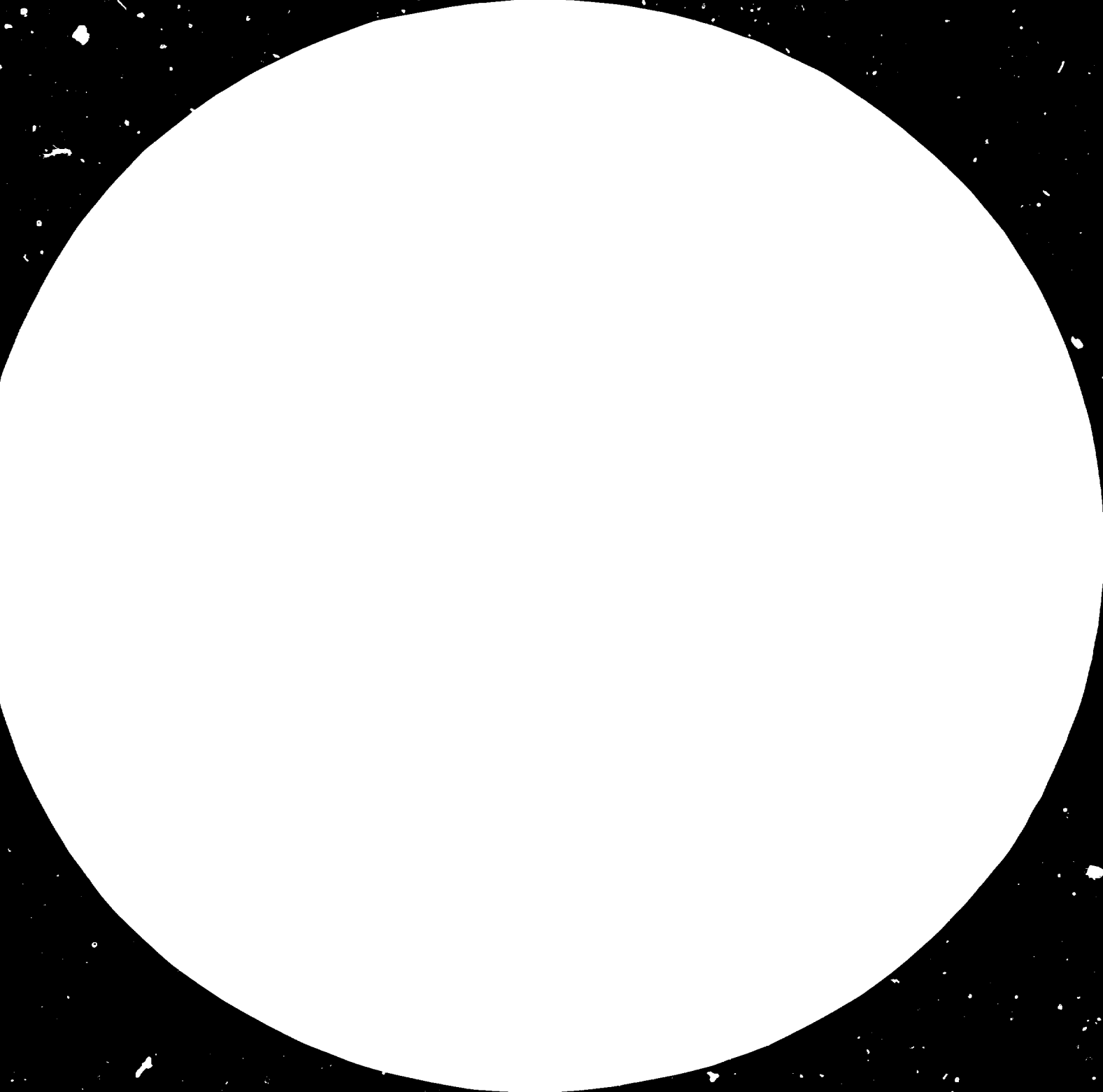
SPECIALIZED DICTIONARIES AND ENCYCLOPAEDIAS

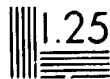
630. **ANGLO-RUSSKII SLOVAR' PO TSELLIULOZNO-BUMAZHNOMU PROIZVODSTVU** (English-Russian dictionary for the cellulose paper industry)
A. ELIASBERG *et al.* Moscow, Fizmatgiz, 1958. 263 p. In English and Russian.
631. **DICTIONARY AND ENCYCLOPAEDIA OF PAPER AND PAPER MAKING**
E. J. LABARRE, ed. 2nd rev. ed. Amsterdam, Swets and Zeitlinger, 1952. 588 p. Supplement: E. G. LOEBER, ed. 1967. 104 p. In Dutch, French, German, Italian, Spanish and Swedish.
632. **THE DICTIONARY OF PAPER**
3rd ed. New York, American Paper and Pulp Association and American Paper Institute, 1965. 500 p.
633. **ELSEVIER'S WOOD DICTIONARY IN SEVEN LANGUAGES**
Amsterdam, London, New York, Elsevier, 1968. 3 vols. In Dutch, English, French, German, Italian, Spanish and Swedish.
634. **ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY**
W. C. GRIFFIN and K. OTHMER. New York, Interscience, 1950. 695 p.
635. **A GLOSSARY OF PULP AND PAPERMAKING TERMS**
G. BEACH, ed. Sittingbourne, Kent, Beach, 1965. 70 p. In English and Swedish.
636. **INTERNATIONAL GLOSSARY OF TECHNICAL TERMS FOR THE PULP AND PAPER INDUSTRY**
San Francisco, California, Miller Freeman, 1975. In English, French, German and Spanish.
637. **KAMI PARUPU JITEN** (Paper and pulp dictionary)
KAMI PARUPU GIJITSU KYOKAI, ed. Tokyo, Kanehara Shupp, 1964. 55 p. In English and Japanese.
638. **MUESZAKI ERTELMEZOE SZOETAR: PAPIRIPAR** (Technical terminology dictionary: paper industry)
G. VAMOS, ed. Budapest, Terra, 1970. 107 p. In Hungarian.
639. **SVENSK-ENGELSK-TYSK TEKNISK ORDBOK TRAE MASSA PAPPER** (Swedish-English-German dictionary of wood, pulp and paper)
Stockholm, AB Svensk Trävarutidning, 1964. 28 p.

640. TECHNICAL DICTIONARY OF THE PARTICLE BOARD INDUSTRY
5th ed. Frankfurt/Main, European Federation of Particleboard
Manufacturers, 1961. 113 p. In English, French, German and Swedish.
641. TECHNISCHES WOERTERBUCH, ZELLSTOFF UND PAPIER (Tech-
nical dictionary, pulp and paper)
D. FROUNDJIAN, ed. Darmstadt, Roether Verlag, 1967. 416 p. In
German.
642. THESAURUS OF PULP AND PAPER TERMS
P. M. NOBBS and K. E. VROOM, eds. 2nd ed. Pointe Claire, Quebec,
Pulp and Paper Research Institute of Canada, 1971. 426 p.
643. WOERTERBUCH DER HOLZTECHNIK (Dictionary of wood tech-
nology)
Leipzig, VEB Fachbuchverlag, 1969. 635 p. In English, French, German
and Russian.
644. ZELLULOSE, PAPIER, PAPPE. FACHLEXIKON: INTERNATIO-
NALES MASCHINEN- UND PRODUKTENLEXIKON FUER DIE
ZELLULOSE-, PAPIER- UND PAPPEN-HERSTELLUNGSINDUSTRIE
(Pulp, paper, board. Technical dictionary: international machine and
products dictionary for the cellulose, paper and board manufacturing
industry)
Zofingen, Switzerland Ringier, 1967. 296 p. In English, French and
German.

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SECTION X

BIBLIOGRAPHIES

645. ABSTRACT BIBLIOGRAPHY ON RICE: 1956-1961
University of the Philippines, Laguna, Philippines.
646. ANNOTATED BIBLIOGRAPHY ON THE UTILIZATION OF AGRICULTURE RESIDUES AND NON-WOOD FIBROUS MATERIALS FOR THE PRODUCTION OF PANELS
H. AUGUSTIN. 1973. 108 p. (UNIVO/ID/WG.83/16)
647. BIBLIOGRAPHY OF PUBLICATIONS ON FIBREBOARD AND PARTICLE BOARD
Prepared by the Food and Agriculture Organization of the United Nations (FAO). Vol. XVIII, supplement 6 of the *Timber Bulletin for Europe*. New York, 1966. 173 p.
648. BIBLIOGRAPHY OF RESEARCH ON UTILIZATION OF RICE IN THE WESTERN MARKETING AND NUTRITION RESEARCH DIVISION: 1947-1970
Berkeley, California, Agricultural Research Service, United States Department of Agriculture, Western Regional Research Laboratory, 1971. 29 p. (ARS 74-58)
649. BIBLIOGRAPHY ON ECONOMIC PRODUCTS FROM AGRICULTURAL WASTES/BY-PRODUCTS.
O. P. VIMAL. New Delhi, Indian Agricultural Research Institute, 1975. (No. 119827)
650. CORNCOB UTILIZATION PUBLICATIONS
Peoria, Illinois, Agricultural Research Service, United States Department of Agriculture, Northern Regional Research Laboratory, 1973.
651. FAO BIBLIOGRAPHY ON HARD FIBRES RESEARCH AND SUPPLEMENTS
Rome, Food and Agriculture Organization of the United Nations (FAO), CF/15045)
652. FAO BIBLIOGRAPHY ON JUTE, KENAF AND ALLIED FIBER RESEARCH AND SUPPLEMENTS
Rome, Food and Agriculture Organization of the United Nations (FAO), 1968. (CCP:JU 69/7) Supplements: 1972 (CCP:JU 72/5) and 1975 (CCP:JU 75/6).

653. **INSTITUTE OF PAPER CHEMISTRY: BIBLIOGRAPHIC SERIES**
 Appleton, Wisconsin, Institute of Paper Chemistry.
- No. 62: Papermaking properties of flax and hemp. By C. WEST.
 1939. 14 p.
- No. 171: Papermaking materials I. Cereal straws. 1949. 229 p.
 Supplement I. 1963. 200 p.
 Supplement II. 1968. 67 p.
 Supplement III. 1975. 63 p.
- No. 176: Papermaking materials II. Bast fibers. 1950. 74 p.
 Supplement I. 1963. 243 p.
 Supplement II. 1968. 51 p.
 Supplement III. 1975.
- No. 209-210: Hardboards: Fibreboards I. 1964. 228 p.
 Particle Boards II. 1964. 120 p.
 Supplement I. 1971. 400 p.
- No. 270: Pulping of bagasse and other papermaking fibers. By
 L. Loudon. 1976. 123 p.
654. **INTERNATIONAL STANDARDS FOR WOOD PRODUCTS INCLUDING CORK AND PULPS: A BIBLIOGRAPHY**
 Geneva, International Organization for Standardization (ISO), Information Centre, 1977. 10 p. (ISO Bibliographies No. 1)
655. **LIST OF PUBLICATIONS AND PATENTS: AGRICULTURAL RESIDUES, CHEMICAL AND PHYSICAL USES AND RELATED SUBJECTS**
 Peoria, Illinois, Agricultural Research Service, United States Department of Agriculture, Northern Utilization Research and Development Division. (ARS-71-8)
656. **RICE HULLS AND RICE STRAW: 1907-1955**
 N. G. LARSON, comp. Washington, D.C., United States Department of Agriculture Library, 1957. 24 p.
657. **SPRAVOCHNIK TEKNICHESKOI LITERATURY PO TSELLULOZNO-BUMASHNOMU PROZVOIZVODSTVU: 1960-1967 (Handbook of engineering literature on the cellulose paper industry 1960-1967)**
 N. V. RIUHIN. Moscow, Gostesbumizdat, 1962. 238 p.
658. **STRUCTURE, EXTRACTIVES AND UTILIZATION OF BARK**
 Appleton, Wisconsin, Institute of Paper Chemistry, 1973. 121 p.
659. **TAPPI BIBLIOGRAPHY OF PAPERMAKING AND UNITED STATES PATENTS**
 Annual. Atlanta, Georgia, Technical Association of the Pulp and Paper Industry (TAPPI).
660. **TAPPI BIBLIOGRAPHY OF PULP AND PAPER MANUFACTURE**
 Annual. Atlanta, Georgia, Technical Association of the Pulp and Paper Industry (TAPPI).

661. USE OF BAGASSE FOR PULP AND PAPER MANUFACTURE
J. V. N. CALVER. Leatherhead, Surrey, Paper and Board, Printing and
Packaging Industries Research Association (PIRA). 1976. (PIRA
bibliography No. 847).
662. THE UTILIZATION OF SUGAR CANE BAGASSE FOR PAPER,
BOARDS, PLASTICS AND CHEMICALS: AN ANNOTATED BIBLIO-
GRAPHY
C. WEST, ed. Rev. ed. New York, Sugar Research Foundation, 1952.
200 p. (Technological Report No. 8)

SECTION XI

OTHER POTENTIAL SOURCES OF INFORMATION

*A. Consulting and engineering services*¹

Publications

663. **THE CONSULTING ENGINEERS' WHO'S WHO AND YEARBOOK**
Prepared by the Association of Consulting Engineers, Abbey House, Victoria Street, London. Annual directory. Lists association members with biographies, firms and their specialities, services, engineering specialities and other specialized service organizations.
Publ.: Northwood Publications Ltd
Elm House, Elm Street
LONDON SW1, England
664. **DIRECTORY OF MEMBERSHIP AND SERVICES**
Every two years. Includes introductory text and standards of professional conduct and practice. Lists firms and services.
Publ.: Association of Consulting Management Engineers, Inc. (ACME)
347 Madison Avenue
NEW YORK, New York 10017, United States of America
665. **ENGINEERING CONSULTING FIRMS ASSOCIATION, JAPAN**
Annual directory. Illustrated list of firms and services.
Publ.: Engineering Consulting Firms Association, Japan (ECFA)
Kasumigaseki Building, Kasumigaseki III
Chiyoda-ku
TOKYO 100, Japan
666. **GENIE INDUSTRIEL: CATALOGUE DE L'ENGINEERING**
Annual directory. Text in French; index and headings in English, French and German.
Publ.: Documentations Industrielles et Techniques (DIT)
11, rue de Madrid
F-75008 PARIS, France

¹ For list of organizations, see entry 667.

667. **MANUAL ON THE USE OF CONSULTANTS IN DEVELOPING COUNTRIES**
Prepared by UNIDO. 1972. 165 p. Includes select list of professional consulting associations, both international and national. (Sales No. 72.II.B.10)

Publ.: United Nations
Sales Section
NEW YORK, New York 10017, United States of America

B. Environment

Organization

668. **UNITED NATIONS ENVIRONMENT PROGRAMME (UNEP)**
Box 30552
NAIROBI, Kenya

C. Fairs and exhibitions

Organisations

669. **COMMITTEE OF COLLECTIVE NATIONAL PARTICIPATION IN INTERNATIONAL FAIRS: INTEREXPO**
WIRTSCHAFTSFOERDERUNGSMINISTERIUM DER BUNDESKAMMER
Hoher Markt 3
A-1010 VIENNA, Austria
670. **INDUSTRIAL AND TRADE FAIRS LTD**
Commonwealth House, New Oxford Street
LONDON WC1A 1PB, England
671. **UNION OF INTERNATIONAL FAIRS/UNION DES FOIRES INTERNATIONALES (UFI)**
10, rue La Boétie
F-75008 PARIS, France

Publications

672. **EXHIBITION BULLETIN**
Monthly. Advance information on shows, fairs and exhibitions taking place throughout the world.
Publ.: London Bureau
266-272 Kirkdale
LONDON SW26, England

673. M/A KALENDER (Calendar of fairs and exhibitions)
Annual. 1977. 456 p. Covers events from mid-1976 to mid-1977. Text in German; index in English, French and German. Issues monthly supplements with current information on fairs and exhibitions.
Publ.: Messe- und Ausstellungs-Kon.or Otto Müller
P.O. Box 2605
Grosse Eschensheimerstrasse 16
D-6000 FRANKFURT/MAIN 1, Federal Republic of Germany

And/or announcement columns in current periodicals listed in section VI

D. Film catalogues

674. BOWKER AUDIOVISUAL GUIDE
M. KOENIG. 1973. 611 p.
Publ.: Bowker Publishing Company Ltd
Erasmus House
EPPING, Essex CM16 4BU, England
675. BRITISH NATIONAL FILM CATALOGUE
Quarterly and annual. Universal Decimal Classification (UDC).
Publ.: British Film Institute
81 Dean Street
LONDON W1V 6AA, England
676. CATALOGUE OF MATERIALS HANDLING FILMS
1972. 52 p.
Publ.: National Materials Handling Centre
Cranfield Institute of Technology
Information Section
CRANFIELD, Bedfordshire, England
677. CATALOGUE OF TECHNICAL AND SCIENTIFIC FILMS
1972. 487 p. In English.
Publ.: International Institute for the Management of Technology (IIMT)
International Film Library
Corso Magenta 59-63
I-20123 MILAN, Italy
678. FAO CATALOGUE OF FILMS AND FILMSTRIPS
1968. 108 p. plus supplement.
Publ.: Food and Agriculture Organization of the United Nations (FAO)
Via delle Terme di Caracalla
I-00100 ROME, Italy
679. OVERSEAS FILM LIBRARY CATALOGUE, 1976-1977
1977. 280 p. plus supplement.
Publ.: Central Office of Information
Westminster Bridge Road
LONDON SE1 7DU, England

E. Financing and investing

Publications and documents

680. **FINANCIAL RESOURCES FOR INDUSTRIAL PROJECTS IN DEVELOPING COUNTRIES**
Prepared by UNIDO. 1978. Loose-leaf format. Lists industrial development finance institutions by country. Information includes address, ownership, objectives and activities, resources, terms and conditions for financial aid. (PI/61)
Order from:
United Nations Industrial Development Organization (UNIDO)
P.O. Box 707
A-1010 VIENNA, Austria
681. **A GLOBAL DIRECTORY OF DEVELOPMENT FINANCE INSTITUTIONS IN DEVELOPING COUNTRIES**
J. D. NYHART and E. F. JANSSENS. 1967. 449 p. Lists development finance institutions and gives relevant information.
Publ.: Development Centre of the Organization for Economic Co-operation and Development (OECD)
91, boulevard Exelmans
F-75016 PARIS, France
682. **IL AND T: INVESTING, LICENSING AND TRADING CONDITIONS ABROAD**
Reference service covering all the countries of the world. "Current awareness service" - loose-leaf format with periodic issuing of updated chapters.
Publ.: Business International Corporation
753 Third Avenue
NEW YORK, New York 10017, United States of America
683. **INVESTING IN DEVELOPING COUNTRIES**
1970. 120 p. Lists facilities for the promotion of foreign private investment in developing countries.
Publ.: Organisation for Economic Co-operation and Development (OECD)
Château de la Muette
2, rue André Pascal
F-75775 PARIS, cedex 16, France
684. **LES INVESTISSEMENTS PRIVES AU SERVICE DU TIERS-MONDE**
L. DURAND-REVILLE. 1970. 368 p. Covers investment policies in developing countries.
Publ.: Editions France-Empire
68, rue Jean-Jacques Rousseau
F-75001 PARIS, France
685. **MANUAL ON INVESTMENT PROMOTION CENTRES**
Prepared by UNIDO. 1973. 99 p. Provides information on existing investment promotion institutions in developing countries and guidelines for those who want to establish them. (Sales No. 73.II.B.3)
Publ.: United Nations (see entry 667)

686. PROSPECTUS PREPARATION FOR INTERNATIONAL PRIVATE INVESTMENT
H. J. ROBINSON. 1971. 103 p. Study of the flow of private investment across international boundaries; specifically designed as a guide for developing countries.
Publ.: Praeger Publishers
111 Fourth Avenue
NEW YORK, New York 10003, United States of America

F. Marketing, exporting and purchasing

Organizations

687. CENTRO INTERAMERICANO DE PROMOCION DE LAS EXPORTACIONES (CIPE)
Carrera 10A No. 14-33, pisos 10, 11 y 13
BOGOTA, D.E. 1, Colombia
688. CENTRUM TOT BEVORDERING VAN DE IMPORT UIT ONTWIKKELINGSLANDEN (Centre for the promotion of imports from developing countries)
Coolsingel 58
ROTTERDAM, Netherlands
689. INTERNATIONAL TRADE CENTRE (UNCTAD/GATT)
Villa le Bocage, Palais des Nations
CH-1211 GENEVA 10, Switzerland
690. WORLD TRADE CENTER'S INFORMATION CENTER
North Tower Building
111 Eight Avenue
NEW YORK, New York 10011, United States of America

Publications

691. EXPORT PROMOTION BY PRIVATE SECTOR ORGANIZATIONS
1971. 280 p. In English, French and Spanish. Covers all aspects of export trade promotion; list of relevant organizations and bibliographies.
Publ.: International Trade Centre (UNCTAD/GATT) (see entry 689)
692. A GUIDE TO INDUSTRIAL PURCHASING
Prepared by UNIDO. 1972. 45 p. (Sales No. 72.II.B.19)
Publ.: United Nations (see entry 667)
693. INTERNATIONAL DIRECTORY OF MARKETING RESEARCH HOUSES AND SERVICES
Irregular.
Publ.: Marketing Review
527 Madison Avenue
NEW YORK, New York 10022, United States of America

694. **MARKETING AND MANAGEMENT: A WORLD REGISTER OF ORGANIZATIONS**
Irregular.
Publ.: CBD Research Publications Ltd
154 High Street
BECKENHAM, Kent BR3 1EA, England
695. **NUEVOS MERCADOS: LA REVISTA DEL EXPORTADOR LATINO-AMERICANO**
Monthly.
Publ.: Centro Interamericano de Promoción de las Exportaciones (CIPE)
(see entry 687)
696. **WORLD-WIDE CHAMBER OF COMMERCE DIRECTORY**
Annual.
Publ.: Johnson Publishing Company
P.O. Box 445
LOVELAND, Colorado 80537, United States of America

G. Meetings and conferences

Publications

697. **BIULLETEN' MEZHDUNARODNYKH NAUCHNYKH S'EZDOV, KONFERENTSII I KONGRESSOV** (Bulletin of international scientific conventions, conferences and congresses)
Monthly. In English and Russian. Includes subject index.
Publ.: Mezhdunarodnaia Kniga
Smolenskaia Sennaia 32-34
MOSCOW G-200, Union of Soviet Socialist Republics
698. **FORTHCOMING INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCES**
Quarterly journal. Chronological list of forthcoming conferences in all fields of science and technology. Includes indexes by subject, location and sponsor of conference.
Publ.: ASLIB
3 Belgrave Square
LONDON SW1 8PL, England
699. **WORLD MEETINGS: UNITED STATES AND CANADA**
and
WORLD MEETINGS: OUTSIDE UNITED STATES AND CANADA
Quarterly journals. Two-year registries of future scientific and technical meetings to be held in the geographical areas covered. Include keyword indexes, sponsor and address directories.
Publ.: MacMillan Publishing Company
MacMillan Information
866 Third Avenue
NEW YORK, New York 10022, United States of America

And/or announcement columns in current periodicals listed in section VI

H. Packaging

Organization

700. EUROPEAN PACKAGING FEDERATION (EPF)
Van Alkemadelaan 700
THE HAGUE, Netherlands

Publications

701. EPF · INTERNATIONAL DIRECTORY OF ASSOCIATIONS AND ORGANIZATIONS CONCERNED WITH PACKAGING
Lists associations and organizations by country and industry branch; gives information on advisory services, machinery, warehouses, transport and handling.
Publ.: European Packaging Federation (EPF) (see entry 700)
702. PACKAGING ABSTRACTS
Monthly. Issues about 3,000 abstracts a year covering 100 domestic and foreign journals, books, reports, conference proceedings and patents. Annual author and subject indexes and list of periodicals covered in the January issue.
Publ.: Paper and Board, Printing and Packaging Industries Research Association (PIRA)
Randall's Road
LEATHERHEAD, Surrey KT22 7RU, England
703. PACKAGING: A GUIDE TO INFORMATION SOURCES
G. JONES, comp. 1967. 285 p. Comprehensive information on materials and methods, machinery and machine operations, management, packages, standardization and testing, and distribution. (Management information guide No. 10)
Publ.: Gale Research Company
Book Tower
DETROIT, Michigan 48226, United States of America

I. Patents and licences

Organizations

704. INTERNATIONAL PATENT DOCUMENTATION CENTRE/INTERNATIONALES PATENTDOKUMENTATIONS-ZENTRUM (INPADOC)
Postfach 163
Möllwaldplatz 4
A-1041 VIENNA, Austria
705. WORLD INTELLECTUAL PROPERTY ORGANIZATION (WIPO)
32, chemin des Colombettes
CH-1211 GENEVA 10, Switzerland

J. Standards and specifications

Organizations

706. COMITE EUROPEEN DE COORDINATION DES NORMES (CEN)
Tour Europe, Courbevoie
F-75092 PARIS-LA DEFENSE, France
707. INTERNATIONAL ORGANIZATION FOR STANDARDIZATION/
ORGANIZATION INTERNATIONALE DE NORMALISATION/MEZH-
DUNARODNAIA ORGANIZATSIIA PO STANDARTIZATSII (ISO)
Central Secretariat
Case postale 56
1, rue de Varembé
CH-1211 GENEVA 10, Switzerland
- The international agency for standardization comprising the national bodies of some 70 countries.

And/or the national standards institutes of individual countries (the addresses of which can be obtained from the ISO Central Secretariat)

Publications

708. INTERNATIONAL ORGANIZATION FOR STANDARDIZATION:
CATALOGUE
Annual. 1976. 177 p. Lists all ISO standards published up to December 1975. Standards are arranged by technical committee and numerically. Subject index; Universal Decimal Classification (UDC) index.
Publ.: International Organization for Standardization (ISO) (see entry 707)
709. INTERNATIONAL ORGANIZATION FOR STANDARDIZATION:
MEMENTO
Annual. Contains information on ISO activities, its member bodies, technical committees, subcommittees and working groups, with addresses.
Publ.: International Organization for Standardization (ISO) (see entry 707)
710. TAPPI STANDARDS AND SUGGESTED METHODS
Loose-leaf format.
Publ.: Technical Association of the Pulp and Paper Industry (TAPPI)
One Dunwoody Park
ATLANTA, Georgia 30341, United States of America

K. Training

Publication

711. GUIDE TO TRAINING OPPORTUNITIES FOR INDUSTRIAL DEVELOPMENT
Prepared by UNIDO. 1978. 138 p. (PI/63)
Publ.: United Nations Industrial Development Organization (UNIDO)
(see entry 680)

L. Translation services

Organizations

712. EUROPEAN TRANSLATION CENTRE (ETC)
DELFT, Netherlands
713. NATIONAL LENDING LIBRARY FOR SCIENCE AND TECHNOLOGY
BOSTON SPA, Yorkshire, England
714. NATIONAL TRANSLATION CENTER
c/o Special Libraries Association
235 Park Avenue South
NEW YORK, New York 10003, United States of America

Publications

715. CATALOGUE MENSUEL DES TRADUCTIONS
Monthly list of translations into French, mostly of scientific and technical articles. A comprehensive card catalogue from 1953 onwards is available.
Publ.: Centre national de la recherche scientifique (CNRS)
15, quai Anatole France
F-75007 PARIS, France
716. CONSOLIDATED INDEX OF TRANSLATIONS INTO ENGLISH
Compiled by the John Cierar Library. 1969. 949 p. Lists all translations prior to 1966.
Publ.: National Translation Center (see entry 714)
717. INDEX TRANSLATIONUM: INTERNATIONAL BIBLIOGRAPHY OF TRANSLATIONS
Annual. Introduction in English and French. Multilingual bibliography of translations published all over the world.
Publ.: United Nations Educational, Scientific and Cultural Organization (UNESCO)
7, place de Fontenoy
F-75007 PARIS, France
718. TRANSLATIONS AND THEIR GUIDES
J. P. CHILLAG, ed. Survey of lists and indexes of translations. Table gives data on 31 translation-announcement bulletins.
Publ.: National Lending Library for Science and Technology (see entry 713)
719. WORLD INDEX OF SCIENTIFIC TRANSLATIONS
Quarterly. Lists translations, both compiled and in progress, of articles, patents, standards etc. concerned with science and technology. Translations are mostly into English from Russian and other Slavonic languages, Chinese and Japanese. Lists about 10,000 translations a year.
Publ.: European Translation Centre (ETC) (see entry 712)

M. UNIDO activities

720. **INDUSTRIAL DEVELOPMENT ABSTRACTS**
Every two months. Prepared by Industrial Documentation Unit, UNIDO. Indexes and abstracts the following types of UNIDO documents: (1) printed publications of UNIDO, i.e. major studies and reports, recurrent publications and series and selected articles from **INDUSTRIAL RESEARCH AND DEVELOPMENT NEWS** and **INDUSTRIALIZATION AND PRODUCTIVITY BULLETIN**; (2) documents submitted to the Industrial Development Board; (3) documents of expert working groups, workshops and seminars; (4) internal studies and reports; (5) information sheets; (6) technical assistance reports, including feasibility studies and project reports. (UNIDO/LIB/SER.B).

Order from:
United Nations (see entry 667)

721. **UNIDO NEWSLETTER**
Monthly. In Arabic, English, French, Russian and Spanish. News on current activities of the organization. Available on request.

Order from:
United Nations Industrial Development Organization (UNIDO) (see entry 680)

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(UNIDO/LIB/SER.D) cover the following topics:

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