INTERNATIONAL CONNECTIVITY
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Please send corrections, information and/or comments to:

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Include details, e.g., on connections, sites, contacts, protocols, etc.

Thanks to the many people from around the world who have provided information. This version (postscript, ditroff, text forms), maps in postscript, and earlier versions may also be obtained by anonymous ftp from ftp.cs.wisc.edu in the connectivity_table directory.

In the following, "BITNET" is used generically to refer to BITNET plus similar networks around the world (e.g., EARN, NET-NORTH, GULFNET , etc.).

SUMMARY

NUMBER OF ENTITIES WITH INTERNATIONAL NETWORK CONNECTIVITY = 137

BITNET
- Col. 2 (Entities with international BITNET links.)
- b: minimal, one to five domestic BITNET sites, 19 entities
- B: widespread, more than five domestic BITNET sites, 32 entities

IP INTERNET
- Col. 3 (Entities with international IP Internet links.)
- I: = operational, accesible from entire IP Internet, 57 entities
- i: = operational, not accesible via the NSFNET backbone, 2 entities

UUCP
- Col. 4 (Entities with domestic UUCP sites which are connected to the Global Multiprotocol Open Internet.)
- u: minimal, one to five domestic UUCP sites, 53 entities
- U: widespread, more than five domestic UUCP sites, 64 entities

FIDONET
- Col. 5 (Entities with domestic FIDONET sites which are connected to the Global Multiprotocol Open Internet)
- f: minimal, one to five domestic FIDONET sites, 25 entities
- F: widespread, more than five domestic FIDONET sites, 59 entities

OSI
- Col. 6 (Entities with international X.400 links to domestic sites which are connected to the Global Multiprotocol Open Internet).
- o: minimal, one to five domestic X.400 sites, 8 entities
- O: widespread, more than five domestic X.400 sites, 23 entities

Email connections to Algeria, Angola, Gambia, Mongolia, Morocco, Qatar, and Vietnam have been reported but have not been verified or are not yet stable and hence are not included in the table or in the above totals.

ISO 3166 country codes are included in the Table for each entity. Note that these do not always agree with the top level DNS code(s) used for a particular country.

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----- AF    Afghanistan (Democratic Republic of)
----- AL    Albania (Republic of)
----- DZ    Algeria (People's Democratic Republic of)
----- AS    American Samoa
----- AD    Andorra (Principality of)
----- AO    Angola (People's Republic of)
----- AI    Anguilla
-I--- AQ    Antarctica
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-----	AG	Antigua and Barbuda
BIUF-	AR	Argentina (Argentine Republic)
--u--	AM	Armenia
---f-	AW	Aruba
-IUFo	AU	Australia
BIUFO	AT	Austria (Republic of)
--U--	AZ	Azerbaijan
-----	BS	Bahamas (Commonwealth of the)
b----	BH	Bahrain (State of)
-----	BD	Bangladesh (People’s Republic of)
--u--	BB	Barbados
--UF-	BY	Belarus
BIUFO	BE	Belgium (Kingdom of)
-----	BZ	Belize
-----	BJ	Benin (People’s Republic of)
--uf-	BM	Bermuda
-----	BT	Bhutan (Kingdom of)
--U--	BO	Bolivia (Republic of)
-----	BA	Bosnia-Hercegovina
--uf-	BW	Botswana (Republic of)
-----	BV	Bouvet Island
BIUFO	BR	Brazil (Federative Republic of)
-----	IO	British Indian Ocean Territory
-----	BN	Brunei Darussalam
bIUF-	BG	Bulgaria (Republic of)
--u--	BF	Burkina Faso (formerly Upper Volta)
-----	BI	Burundi (Republic of)
-----	KH	Cambodia
--u--	CM	Cameroon (Republic of)
BIUFO	CA	Canada
-----	CV	Cape Verde (Republic of)
-----	KY	Cayman Islands
-----	CF	Central African Republic
-----	TD	Chad (Republic of)
BIUF-	CL	Chile (Republic of)
--u-O	CN	China (People’s Republic of)
-----	CX	Christmas Island (Indian Ocean)
-----	CC	Cocos (Keeling) Islands
B-u--	CO	Colombia (Republic of)
-----	KM	Comoros (Islamic Federal Republic of the)
--u--	CG	Congo (Republic of the)
-----	CK	Cook Islands
bIuf-	CR	Costa Rica (Republic of)
--uf-	CI	Cote d’Ivoire (Republic of)
-IuFo	HR	Croatia
--U--	CU	Cuba (Republic of)
bI---	CY	Cyprus (Republic of)
BIUF-	CZ	Czech Republic
bIUFO	DK	Denmark (Kingdom of)
-----	DJ	Djibouti (Republic of)
-----	DM	Dominica (Commonwealth of)
--Uf-	DO	Dominican Republic
-----	TP	East Timor
bIu--	EC	Ecuador (Republic of)
b-U--	EG	Egypt (Arab Republic of)
-----	SV	El Salvador (Republic of)
-----	GQ	Equatorial Guinea (Republic of)
-IUF-	EE	Estonia (Republic of)
---f-	ET	Ethiopia (People’s Democratic Republic of)
-----	FK	Falkland Islands (Malvinas)
-----	FO	Faroe Islands
-Iu--	FJ	Fiji (Republic of)
BIUFO	FI	Finland (Republic of)

BIUFO	FR	France (French Republic)
--u--	GF	French Guiana
--u--	PF	French Polynesia
-----	TF	French Southern Territories
-----	GA	Gabon (Gabonese Republic)
-----	GM	Gambia (Republic of the)
--UF-	GE	Georgia (Republic of)
BIUFO	DE	Germany (Federal Republic of)
---F-	GH	Ghana (Republic of)
-----	GI	Gibraltar
BIUFO	GR	Greece (Hellenic Republic)
-I-f-	GL	Greenland
--u--	GD	Grenada
b-uf-	GP	Guadeloupe (French Department of)
---F-	GU	Guam
--u--	GT	Guatemala (Republic of)
-----	GN	Guinea (Republic of)
-----	GW	Guinea-Bissau (Republic of)
-----	GY	Guyana (Republic of)
-----	HT	Haiti (Republic of)
-----	HM	Heard and McDonald Islands
-----	HN	Honduras (Republic of)
BI-F-	HK	Hong Kong
BIUFo	HU	Hungary (Republic of)
-IUFo	IS	Iceland (Republic of)
bIUfO	IN	India (Republic of)
--u--	ID	Indonesia (Republic of)
b----	IR	Iran (Islamic Republic of)
-----	IQ	Iraq (Republic of)
BIUFO	IE	Ireland
BIUF-	IL	Israel (State of)
BIUFO	IT	Italy (Italian Republic)
--u--	JM	Jamaica
BIUF-	JP	Japan
-----	JO	Jordan (Hashemite Kingdom of)
--Uf-	KZ	Kazakhstan
---f-	KE	Kenya (Republic of)
--u--	KI	Kiribati (Republic of)
-----	KP	Korea (Democratic People’s Republic of)
BIUFO	KR	Korea (Republic of)
-I---	KW	Kuwait (State of)
--U--	KG	Kyrgyzstan
-----	LA	Lao People’s Democratic Republic
-IUF-	LV	Latvia (Republic of)
-----	LB	Lebanon (Lebanese Republic)
--u--	LS	Lesotho (Kingdom of)
-----	LR	Liberia (Republic of)
-----	LY	Libyan Arab Jamahiriya
---f-	LI	Liechtenstein (Principality of)
--UFo	LT	Lithuania
bIUFo	LU	Luxembourg (Grand Duchy of)
---F-	MO	Macau (Ao-me’n)
-----	??	Macedonia (Former Yugoslav Republic of)
-----	MG	Madagascar (Democratic Republic of)
--u--	MW	Malawi (Republic of)
bIUF-	MY	Malaysia
-----	MV	Maldives (Republic of)
--u--	ML	Mali (Republic of)
--u--	MT	Malta (Republic of)
-----	MH	Marshall Islands (Republic of the)
-----	MQ	Martinique (French Department of)
-----	MR	Mauritania (Islamic Republic of)
--uf-	MU	Mauritius

BIuF-	MX	Mexico (United Mexican States)
-----	FM	Micronesia (Federated States of)
--UF-	MD	Moldova (Republic of)
-----	MC	Monaco (Principality of)
-----	MN	Mongolia (Mongolian People’s Republic)
-----	MS	Montserrat
-----	MA	Morocco (Kingdom of)
--u--	MZ	Mozambique (People’s Republic of)
-----	MM	Myanmar (Union of)
--u--	NA	Namibia (Republic of)
-----	NR	Nauru (Republic of)
-----	NP	Nepal (Kingdom of)
BIUFO	NL	Netherlands (Kingdom of the)
-----	AN	Netherlands Antilles
-----	NT	Neutral Zone (between Saudi Arabia and Iraq)
--U--	NC	New Caledonia
-IUF-	NZ	New Zealand
--u--	NI	Nicaragua (Republic of)
--u--	NE	Niger (Republic of the)
-----	NG	Nigeria (Federal Republic of)
-----	NU	Niue
-----	NF	Norfolk Island
-----	MP	Northern Mariana Islands (Commonwealth of the)
BIUFO	NO	Norway (Kingdom of)
-----	OM	Oman (Sultanate of)
--U--	PK	Pakistan (Islamic Republic of)
-----	PW	Palau (Republic of)
b-uF-	PA	Panama (Republic of)
--u--	PG	Papua New Guinea
--u--	PY	Paraguay (Republic of)
--Uf-	PE	Peru (Republic of)
--uF-	PH	Philippines (Republic of the)
-----	PN	Pitcairn
BIUF-	PL	Poland (Republic of)
bIUFO	PT	Portugal (Portuguese Republic)
bIUF-	PR	Puerto Rico
-----	QA	Qatar (State of)
--u--	RE	Re’union (French Department of)
BI-f-	RO	Romania
BiUF-	RU	Russian Federation
-----	RW	Rwanda (Rwandese Republic)
-----	SH	Saint Helena
-----	KN	Saint Kitts and Nevis
--u--	LC	Saint Lucia
-----	PM	Saint Pierre and Miquelon (French Department of)
-----	VC	Saint Vincent and the Grenadines
--u--	WS	Samoa (Independent State of)
-----	SM	San Marino (Republic of)
-----	ST	Sao Tome and Principe (Democratic Republic of)
B----	SA	Saudi Arabia (Kingdom of)
--Uf-	SN	Senegal (Republic of)
--u--	SC	Seychelles (Republic of)
-----	SL	Sierra Leone (Republic of)
bIuF-	SG	Singapore (Republic of)
bIUF-	SK	Slovakia
-IUFO	SI	Slovenia
--u--	SB	Solomon Islands
-----	SO	Somalia (Somali Democratic Republic)
-IUFO	ZA	South Africa (Republic of)
BIUFO	ES	Spain (Kingdom of)
--U--	LK	Sri Lanka (Democratic Socialist Republic of)
-----	SD	Sudan (Democratic Republic of the)
--u--	SR	Suriname (Republic of)

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----- SJ    Svalbard and Jan Mayen Islands
--u-- SZ    Swaziland (Kingdom of)
BIUFo SE    Sweden (Kingdom of)
BIUFO CH    Switzerland (Swiss Confederation)
----- SY    Syria (Syrian Arab Republic)
BIuF- TW    Taiwan, Province of China
--uf- TJ    Tajikistan
---f- TZ    Tanzania (United Republic of)
-IUF- TH    Thailand (Kingdom of)
--u-- TG    Togo (Togolese Republic)
----- TK    Tokelau
--u-- TO    Tonga (Kingdom of)
--u-- TT    Trinidad and Tobago (Republic of)
bIUfo TN    Tunisia
BI-F- TR    Turkey (Republic of)
--U-- TM    Turkmenistan
----- TC    Turks and Caicos Islands
--u-- TV    Tuvalu
---f- UG    Uganda (Republic of)
-iUF- UA    Ukraine
----- AE    United Arab Emirates
bIUFO GB    United Kingdom (United Kingdom of Great Britain and Northern Ireland)
BIUFO US    United States (United States of America)
----- UM    United States Minor Outlying Islands
--UF- UY    Uruguay (Eastern Republic of)
--UF- UZ    Uzbekistan
--u-- VU    Vanuatu (Republic of, formerly New Hebrides)
----- VA    Vatican City State (Holy See)
-IU-- VE    Venezuela (Republic of)
----- VN    Vietnam (Socialist Republic of)
----- VG    Virgin Islands (British)
---f- VI    Virgin Islands (U.S.)
----- WF    Wallis and Futuna Islands
----- EH    Western Sahara
----- YE    Yemen (Republic of)
---f- YU    Yugoslavia (Socialist Federal Republic of)
----- ZR    Zaire (Republic of)
--uf- ZM    Zambia (Republic of)
--uf- ZW    Zimbabwe (Republic of)
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