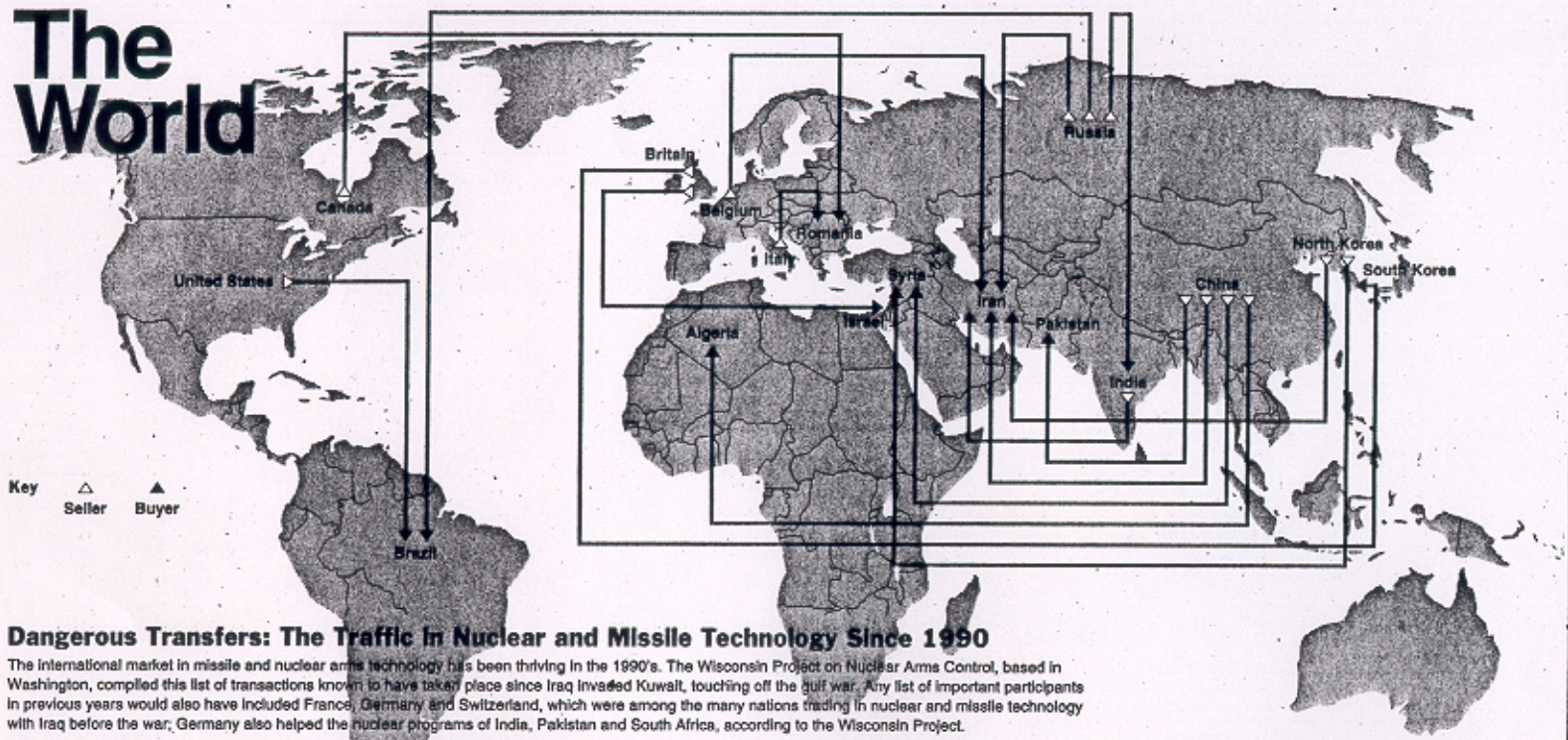


Knocking on the Clubhouse Door

The World



Dangerous Transfers: The Traffic in Nuclear and Missile Technology Since 1990

The international market in missile and nuclear arms technology has been thriving in the 1990's. The Wisconsin Project on Nuclear Arms Control, based in Washington, compiled this list of transactions known to have taken place since Iraq invaded Kuwait, touching off the Gulf war. Any list of important participants in previous years would also have included France, Germany and Switzerland, which were among the many nations trading in nuclear and missile technology with Iraq before the war. Germany also helped the nuclear programs of India, Pakistan and South Africa, according to the Wisconsin Project.

Buyer	Seller	Date	Technology
Algeria	China	Since 1990	Building large nuclear research reactor; contract for fuel and heavy water.
Brazil	Russia	1992	Supplying rocket scientists.
Brazil	United States	1990	Casings heat-treated for Brazil's ICBM-sized rocket motors.
India	Russia	Since 1992	Supplying large rocket engine and manufacturing technology.
Iran	Belgium	Since 1991	Contract for nuclear research equipment.
Iran	China	Since 1990	Negotiating to supply nuclear power reactors; delivery of nuclear-related technologies.
Iran	India	Since 1991	Negotiating to supply large nuclear research reactor.
Iran	North Korea	1991-92	Longer-range Scud missiles delivered.
Iran	Russia	1992	Contract for nuclear power reactors and fuel.

Buyer	Seller	Date	Technology
Israel	Britain	1991	Supercomputers capable of nuclear weapon and missile design delivered.
Pakistan	China	Since 1990	Delivery of research reactor; contract for power reactor and nuclear research equipment; contract for medium-range M-11 missiles; delivery of training missiles and launch vehicles.
Romania	Canada	Since 1990	Building and funding nuclear power reactor; contract for heavy water and nuclear know-how.
Romania	Italy	Since 1990	Supplying nuclear reactor components and know-how.
South Korea	Britain	Since 1991	Contract to extract plutonium.
Syria	China	Since 1991	Contract for nuclear research reactor and fuel; contract for medium-range M-9 missiles; delivery of chemical ingredients for missile fuel.
Syria	North Korea	1991-92	Longer-range Scud missiles and launchers delivered as part of a deal that includes building missile factories.

Source: The Wisconsin Project on Nuclear Arms Control