

NY Times U. S. TEAMS TRAIN FORCES IN 34 LANDS

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Pentagon Puts Its Technical Assistance Contracts at Total of \$727-Million

By JOHN W. FINNEY
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WASHINGTON, Feb. 19—The Defense Department reported today, in the first full public listing of its technical assistance contracts with foreign countries, that Government and private teams were training military personnel in 34 countries under contracts worth \$727-million.

The department said that the programs were not new but were part of a pattern set in the nineteen-fifties, and were increasingly being conducted by commercial organizations rather than by United States military advisers.

The largest number of training programs are in Iran and Saudi Arabia, both of which turned to the Pentagon for technical assistance as they purchased large amounts of advanced American arms in recent years.

Iran has \$314-million in contracts with the Pentagon to train her military personnel in everything from logistics to flying and maintaining helicopters and supersonic fighter planes. Saudi Arabia has \$362-million

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in contracts, including the \$77-million contract recently awarded to the Vinnell Corporation of Alhambra, Calif., to train four battalions of the Saudi Na-

The military-training and technical-assistance projects being provided in the 34 countries shown on the map above are reported by the Defense Department to have the following costs, contractors and purposes:

ARGENTINA—\$15,100; Pentagon; maintenance assistance for radar.

AUSTRALIA—\$80,000; Boeing Vertol; training in helicopter maintenance.

BRAZIL—\$13,000; Pentagon; pilot-transition training for F-5E's. \$75,000; Pentagon; site survey for S-2E aircraft supply, maintenance and operations.

CAMBODIA—About \$1-million; Vinnell; aid for logistical system. \$19,250; Pentagon; English-language instruction.

CANADA—\$21,609; RCA; maintenance and training advice for communications systems.

CHILE—\$165,000; Pentagon, Northrop, General Electric; technical assistance on F-5E and F-5F aircraft. \$158,000; Pentagon, Cessna, General Electric; technical aid on A-37B aircraft.

DENMARK—\$4,000; Systems Development Corporation; technical aid on air-defense radar system.

ECUADOR—\$160,000; Pentagon, Cessna, General Electric; technical aid on A-37B aircraft.

ETHIOPIA—\$3,000; Pentagon; training on supply procedures. \$55,000; I.T.T. Gilfillan; operator and maintenance training for air-defense radar.

FRANCE—\$156,000; Pentagon; technical aid on developing missile-maintenance depots. \$200,000; RCA; technical aid for torpedo maintenance.

GREECE—\$39,321; Pentagon; aid in solving technical and supply problems for F-4E's weapons systems. \$25,092; RCA; aid in repairing precision measuring equipment. \$96,831; Pentagon; logistics aid for F-4E weapons systems. \$1.1-million; McDonnell Douglas, General Electric, Westinghouse, Litton; technical aid for F-4E engine, armament and instrumentation.

INDONESIA—\$133,585; Pentagon; English-language instruction. \$26,000; Pentagon; communications and electronics training. \$10,500; Pentagon; communications and electronics training.

IRAN—\$933,156; Pentagon; technical advice on logistics. \$1,180,370; Pentagon; logistics maintenance. \$593,847; Pentagon; logistics training. \$243,051; Pentagon; technical aid at signal training center. \$99,076; Pentagon; aid to signal school. \$2,270; aid in developing technical training. \$8.1-million; Pentagon; aircraft training. \$125,000; Pentagon; F-4 and F-5 logistics aid. \$286,000; Pentagon; radar-approach-control aid. \$300,000; Westinghouse; aid on electronics. \$660,000; Northrop, Emerson; technical aid for F-5E maintenance. \$400,000; Hughes; technical aid on missiles. \$7.02-million; McDonnell Douglas, Westinghouse, General Electric, others; technical aid on electronics gear for F-4, F-5 and KC-707. \$1.1-million aid on equipment from Navy. \$1.36-million; Pentagon; technical aid and training on Hawk missile systems. \$255-million; Bell Helicopter; training of pilots and mechanics and aid on logistics and repairs. \$32.5-million; Raytheon; training in operation and maintenance of Hawk. \$172,000; Pentagon; English-language instruction. \$109,781; Pentagon; technical aid. \$2.5-million; Pentagon; aid to Iranian Army air arm. \$260,158; Pentagon; technical advice and training on anti-tank missiles. \$109,800; Pentagon; supply system aid. \$323,900; Penta-

tional Guard.

It was the disclosure of the Vinnell contract, which was originally announced by the Pentagon last month without any mention of Saudi Arabia, that prompted the Defense De-

gon; aid in developing navy schools. \$270,000; Pentagon; overhauling of naval guns. \$60,600; Pentagon; review of naval-base construction.

ISRAEL—\$10,500; Pentagon; F-4E modification. \$500,000; McDonnell Douglas; F-4E engineering proposals. \$27,000; Pentagon; logistics officer for F-4E. \$121,000; Goodyear; technical aid on RF-4E aircraft.

ITALY—\$745,600; Pentagon; aid on missile engineering and maintenance. \$145,000; Pentagon; support services for missile. \$365,900; Raytheon, General Electric, Northern Ordnance; engineering aid for guided-missile ships.

JORDAN—\$4,710; Pentagon; maintenance training for T-37 aircraft. \$3,140; Pentagon; pilot training for T-37. \$50,000; Northrop; technical aid on F-5.

KUWAIT—\$65,392; Hughes Aircraft; aid on antitank missile. \$236,510; Raytheon; air-defense training. \$25,000; Pentagon; English-language assistance.

MALAYSIA—\$16,000; Pentagon; pilot training for F-5E. \$196,000; Northrop, General Electric; technical assistance on F-5.

MOROCCO—\$125,200; Pentagon; English-language instruction.

PAKISTAN—\$47,509; Pentagon; aid on modification of HH-43B to HH-43F.

PERU—\$127,800; Pentagon, Cessna, General Electric; aid on A-37B aircraft.

SAUDI ARABIA—\$139-million; Bendix; establishment and operation for eight years of ordnance logistics system. \$75.9-million; Vinnell; training of National Guard. \$187,000; Pentagon; English-language instruction. \$146-million; Northrop; flight and maintenance training for F-5.

SENEGAL—\$31,480; Pentagon; English-language instruction.

SOUTH KOREA—\$28,150; Pentagon; English-language instruction. \$2,240; Pentagon; radar maintenance training. \$6,700; Pentagon; naval-artillery training.

SPAIN—\$24,120; Pentagon; aerial-reconnaissance training. \$36,640; RCA; engineering advice. \$30,260; Pentagon; weapons-logistics officer. \$31,620; Singer-Link; technical aid on F-4 simulator. \$188,320; Westinghouse, McDonnell Doug-

partment to make the first full public listing of its technical assistance and training contracts with foreign countries.

The Vinnell contract, which has drawn some criticism in Congress was described by de-

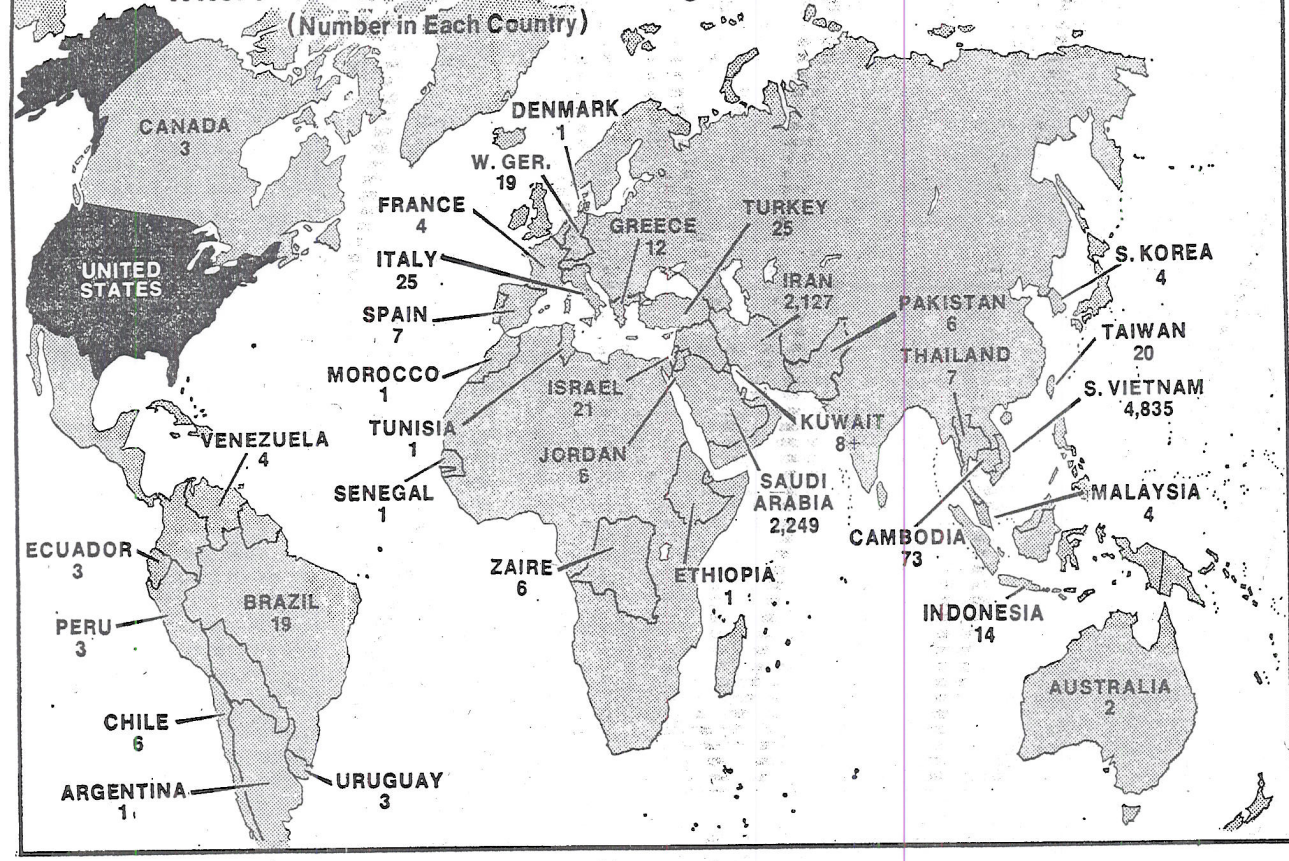
WEST GERMANY — \$1.78-million; McDonnell Douglas, Westinghouse, AAI; technical aid on F-4F. \$448,200; Pentagon; technical aid on F-4F weapons system. \$33,000; Pentagon; logistics aid for F104. \$81,000; Systems Development Corporation; advice on exercises in simulated environment.

ZAIRE—\$27,000; Pentagon; English-language instruction. \$316,000; Lockheed; technical aid on C-130H aircraft.

SOUTH VIETNAM—\$129,200; Bell Helicopter; maintenance of UH-1H. \$160,000; Bendix Field Corporation; maintenance of radar system. \$78,700; Boeing Vertol; maintenance of CH-47 helicopter. \$105,200; Cessna; maintenance of

Where Americans Are Providing Military Training or Technical Aid

(Number in Each Country)



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las; technical service for F-4C.
TAIWAN — \$46,000; System Development Corporation; training aid on flight simulators. \$233,000; Northrop; technical aid on F-5's and on plane's weapons control. \$168,370, Northrop, General Electric, Emerson; technical aid on F-5's and on plane's weapons control. \$166,370; Pentagon; aid in overhaul of training submarine.
THAILAND—\$50,012; Pentagon; English-language instruction, \$9,000; Pentagon; training in maintenance of amphibious vehicle.
TUNISIA—\$25,900; Pentagon; English-language instruction.
TURKEY—\$68,240; Pentagon; maintenance training on F-4. \$37,500; Pentagon; F-4 logistics officer. \$60,000; General Electric; advice on maintenance of jet engines and M-61 gun. \$32,000; Hazeltine; aid in maintenance of F-4E electrical equipment. \$32,000; Westinghouse; aid in maintenance of F-4 fire-control system. \$120,000; McDonnell Douglas; training in F-4 maintenance. \$210,000; Singer Corporation; installation and maintenance of F-4 flight simulator. \$232,000; I.T.T. Gilfilian; maintenance of radar network.
URUGUAY — \$79,800; Pentagon; Cessna, General Electric; aid on A-37B aircraft.
VENEZUELA—\$1,100; Pentagon; survey of training facilities. \$102,322; Rockwell International; advice on T-2D training plane. \$80,608; General Electric; technical aid on T-2D engine.

A-37/0-1 aircraft. \$27,300; Fairchild Industries; maintenance of AC-119G aircraft. \$187,900; General Electric; aircraft-engine-maintenance base. \$59,200; G.M.C. Detroit, Diesel-Allison; T-56 engine maintenance \$55,000; Lockheed-Georgia; C-130 maintenance. \$125,570; AVCO Lycoming; T-53 and T-55 engine maintenance. \$160,200; Northrop; F-5 inspection program. \$1.13-million; Harris Corp.; aircraft electronics maintenance. \$15,000; Space Corp; aid on jet engine stand. \$345,000; Federal Electric; computer operators. \$106,159; Bunker-Remo; maintenance of underwater cables. \$411,400; UNIVAC; computer maintenance. \$500,000; Parsons of California; UH-1 rotor overhaul. \$840,000 Sierra Reserach; radar guidance system maintenance. \$122,694; Systems Development Corp; base-level-simulator maintenance. \$950,000; Lear Siegler, vehicle repair. \$9.6 million; Lear Siegler; aircraft maintenance and training program. \$650,000 Pacific Architects, Engineers Inc.; base operation and maintenance at Tan Son Nhut. \$2.25-million Northrop Worldwide Aircraft Services; F-5 maintenance. \$174,000; Pag Communication Engineers Inc.; maintenance of navigational aids. \$50,000; Pentagon; supervision of United States provided material.

has trained 428,000 foreign military personnel, some in this country, others abroad, by United States military assistance advisory groups.
 More and more, however, the Pentagon is turning to private contractors to provide technical assistance to foreign forces. As the Pentagon data make clear, major defense contractors increasingly are in the business of selling technical services as well as arms to foreign countries.
 In part this increasing reliance of the Pentagon on private contractors is to stop a drain on skilled military personnel who are needed by the United States military services to maintain modern equipment of the same type as is being provided to the foreign countries. In many cases the private contractors are providing training in the maintenance and use of equipment and weapons that they are selling to the foreign countries.
 In part, however, the Pentagon move is in response to a Congressional mandate, incorporated in last year's military sales legislation, instructing the Defense Department "to reduce the role of the United States Government in furnishing of defense articles and services" and to "return such transactions to commercial channels."
 To illustrate that the Vinnell contract was not unique, Defense Department officials pointed out that the Pentagon had previously entered into a \$139-million contract with the Bendix Corporation to provide training in maintenance and supply operations for the artillery of the Saudi National Guard. Under the eight-year contract, paid for by the Saudi Government, Bendix has assembled 700 civilian technicians to train the Saudi troops.

Under auspices of the Defense Department, the Northrup Corporation recently entered into a \$146-million contract to furnish a 545-man team to train Saudi servicemen to fly and maintain the F-5 fighter planes sold to Saudi Arabia.
 In Iran, the Bell Helicopter Company has a \$255-million contract to train 1,500 helicopter pilots and 5,000 mechanics; the Raytheon Company has a \$32.5-million contract to train Iranian personnel in the use and maintenance of the Hawk anti-aircraft missile, and McDonnell-Douglas, Westinghouse and General Electric maintain a 117-man team under a \$7-million contract to perform maintenance on various planes of the Iranian Air Force.
 The latest Persian Gulf entry into the training program is Kuwait, which recently concluded a \$65,392 contract with the Hughes Aircraft Company for training her military personnel in use of the TOW anti-tank missile and a \$236,510 contract with the Raytheon Company for training in use of the Hawk missile.
 The Defense Department said that there were currently 132 technical assistance and training teams in 34 countries. The teams range in size from one person, in Argentina, to a good many hundred, as in the case of Iran and Saudi Arabia.

Defense officials as not unique but rather "a slight variation" from the past pattern in that a private contractor was being used to train foreign troops in the use of weapons and tactics. Since 1950, the United States