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THE SECRETARY OF COMMERCE Washington, D.C. 20230

MAR 2 0 1985

Honorable Caspar Weinberger Secretary of Defense Washington, D.C. 20301 85-933

Dear Cap,

Thank you for your letter of March 1, indicating your support for my proposal that the NSC lead a government-wide effort to deny the Soviet Union and other potential adversaries access to sensitive scientific and technical information through NTIS. I do not believe that this can be accomplished by any means short of a special NSC program, because it is inevitable that new Executive Orders, new national security directives, new legislation and coordinated Government-wide regulations will be required.

My staff has followed the DOD legislation on this issue and it is encouraging to find that Defense has begun to develop a program to control the distribution of sensitive documents. As I pointed out in my January 16 memorandum, however, there is serious reason for concern about slippage between legislative authority and meaningful implementation. While it is true that most of the examples I cited in that memorandum were pre-1982 reports or studies, there is no shortage of post-1981 reports and studies that are of great interest to the Soviets. For example, the NTIS October 84 Tech Data Notes lists dozens of militarily-relevant technology studies (missile nose cones, armor plating, gun bores, acoustic radar, helicopter alloys) and high tech studies (microcircuit manufacturing, VLSIC fabrication, IC software design). The US Army Materiel Development and Readiness Command issued these reports in 1983 and 1984. (A detailed listing is provided at Attachment A). We must begin to put teeth into what so far appears to have been mainly a bureaucratic response. My memorandum to you and other Cabinet officers was generated after several years of effort to instigate action at lower levels failed.

Soviet attempts to obtain the most advanced production techniques are well documented. Efforts to gather information on engineering developments and specifications from reports — before full-scale production capability — are of particular interest to Moscow. Thus, reports disseminated through NTIS, such as those in Attachment B, are of the highest interest to the USSR, regardless of the dates published. For example, in the same batch from which we extracted the reports listed in my January 16 memorandum as well as those listed in Attachment B, there is a July 1980 report, Engineering Data for New Aerospace Materials, done for the Air Porce Labs at Wright-Patterson by Batelle Columbus Labs. The abstract indicates that the report describes a program to evaluate newly-developed materials produced by different processes of interest to the Air Force. This study, while four years old when available to the USSR, would nonetheless appear to be of significant interest to the Soviet Air Force at the present time.

I am also separately urging Bud to call an NSC meeting as soon as possible.

Sincerely,

Secretary of Commerce

cc: Secretary of State
Attorney General
Secretary of Energy
Director, Central Intelligence
Director, Office of Management and Budget
Assistant to the President for National Security Affairs
Administrator, NASA



## MANUFACTURING TECHNOLOGY NOTE

# U.S. ARMY MATERIEL DEVELOPMENT AND READINESS COMMAND

Directorate for Manufacturing Technology, Alexandria, Virginia

Project Number: MMT H80 9897

**JUNE 1984** 

Filing Code: 491 078

attachment A

## Manufacturing Surface-Acoustic-Wave Devices

Work on an early phase of manufacturing development is described.

A report reviews the manufacturing development applied to two distinct surface-acoustic-wave (SAW) devices:

- •A 60-MHz by 60-microsecond down-chirp linearly dispersive filter operating at 200 MHz, on a lithium niobate substrate.
- A two-part 100-kHz-bandwidth resonator operating at 400 MHz, on a quartz substrate.

The devices employ grooved reflective arrays on the piezoelectric substrates. The reflective arrays are formed by an ion-beam etch process. Device specifications are given in the table.

The report, which was prepared for the U.S. Army Electronics Research and Development Command, covers engineering development, the first phase in achieving full-scale production capability. The specific electrical design and test results for both filter and resonator are presented. In addition, the process and assembly procedures planned for the pilot production line are discussed. Finally, the report addresses several engineering tasks that still require technical resolution and will be worked on during the confirmatory sample phase. Quality-control requirements and electrical test plans will be discussed in separate reports.

Considerable attention was focused on packaging the SAW filter. The manufacturing

Parameter	Requirement			
Palameter	Filter	Resonator -		
Substrata Composition	YZ - Lithium Niobale	ST - Quartz		
Die per Wafer	>3	<b>&gt; 50</b>		
Passband Insertion Loss	440 dB .	<5 aB		
3 dB Bandwidth	- 66 ± 1 MHz-	100 ± 5 kHz		
Center Frequency	200 ± 2 MHz	400 ± 0.01 1442		
Group Time-Delay Dispersion	60 ± 0.5 p4	N/A		
Ideal Phase-Frequency Characteristic	Second-Order Guadratic	Linear		
Adjacent-Sidelope-	}	ALSO :		
Suppression	>25 dB	>20 a8		
Measurement Domain	Time	Frequency		
Feedithrough Suppressor.	>50 dB	> 50 dB		
Spurious-Echo Suppression	245 dB	>35 dB		

Reflective-Array surface acoustic-wave devices are used in modern radar and communication systems. The SAW filter and resonator are used in pulse-expansion and pulse-compression lines.



cost was greatly reduced because the crystal fabrication and package sealing and rework steps were simplified.

FCA ADDITIONAL INFORMATION:
You can learn more details about this technology by ordering the NTIS report(s):

SAW Resonator and Reflective Array Devices

Order number: AD-A129935 Price code: A09

Order from.

National Technical Information Service P 5285 Port Royal Rd. P Springlisid, VA 22161

THE TELHULOGY FOR THIS IS THE STORE AS FE 1586 A.

This cocument was prepared under the sponsorship of the U.S. Government. Neither the United States Government nor any person acting on behalf of the United States Government assumes any liability resulting from the use of the Information confained in this document, or warrants that such use will be free from privately owned rights.

NTK84-0743

A B C D E F S H J K

KTIS Tech Notes October 84

### 0001 Advanced Akuminum Alloy Forgad Helicopter Partic Intermediate thermal/mochanical treatment improves alloy properties

Army Materiel Development and Readiness Command, Alexandria, VA.

Sep 63 (H)

Aluminum alloy die forgings made from specially-prepared forging stock have shown promise for use in some highlystressed helicopter parts, according to an investigation conducted for the U.S. Army Aviation Research and Development Command. The forging stock is prepared by a sequence of kneading-type preforging operations and heat treated alloy forging was equivalent to or greater than that of the 2014-T6 forgings now used in production.

FOR ADDITIONAL INFORMATION: Detailed information about the tachaning described may be obtained by orderone the NTES report and number AD-A088819, price codo: A04.

### 2003 Bassings and Soals for Helicoptor Transmissions: 20 Took results indicate improved bearings and seals for advanced helicopter transmissions

Army Materiel Development and Readiness Command, Maxandria, VA

Apr 83 (F. H)

A study evaluated improved bearings and magnetic seals for advanced helicopter transmissions and drive systems. Results of the bearing-material test program have indicated that the high-hot-hardness carburzing steel can be used for integrated gear and bearing components in advanced helicopter transmissions. The advanced analysis of complex bearing structures demonstrated the usefulness of a springgap model as a means of obtaining an accurate bearing internal-load distribution due to structural stiffness.

FOR ADDITIONAL INFORMATION: Detailed information about the technology design that tained by order-

ing the NTIS report, order remitted; AD-A020675, price

### 0235 Doubly-Rotated Cut Quartz for SAW Devices: improvements in temperature stability are made Army Materiel Development and Readiness Command.

Alexandria, VA. Nov 83 (B, H)

Theoretical and experimental results are available from a two-phase program to develop doubly rotated quartz possessing superior surface-acoustic-wave (SAW) properties. The work was conducted for the U.S. Army Electronics Research and Development Command. Conventional, Singlyrotated cut quartz exhibits a frequency/temperature dopendence too high for applications requiring environmentally-hardened SAW filters, oscillators, and resonators. The first phase the program applied theoretical techniques to identify program applied theoretical techniques to identify promising angular orientations for cutting the quartz sub-

FOR ADDITIONAL INFORMATION: Detailed information about the technology described may be obtained by order-

ing the NTIS report, order number: AD-A110663, price code: A09 or contact project officer A. Ballato (201)544-

### 6014 High-Modulus Composites for Helicopter Shafts: Candidates are screened for impact resistance, stitiness, and low weight

Army Materiel Development and Readiness Command, Alexandria, VA.

(H) Sep 83

Various fiber-reinforced plastic composites are under consideration for use in the construction of helicopter tail-rotor drive shafts. A materials screening program and a design, febrication, and test program and being conducted by the U.S. Army Armament Research and Development command. The objective of the latest phase of this work is to eversome the brittleness of a previously-developed graphite composite shaft, which provided a 53.1-percent savings in weight over the aluminum shafts currently in use. Of the 38 composites tested, 2 showed exceptional performance - 1 consisting of E-glass fibers woven in an epoxy resin matrix and the other consisting of Kevlar-49, or equivalent, fibers woven in the same epoxy matrix.

FOR ADDITIONAL INFORMATION: Detailed information about the technology described may be obtained by ordering the NTIS report, order number: AD-A086849, price code: A07 or contact project ufficer Charles C., Wright (201) 328-3459.

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Army Materiel Development and Readiness Command, Alexandria, VA.

Jan 83 (G, H)

An improved process for manufacturing helicopter rotor blades has been developed for the U.S. Army Aviation Research and Development Command. The blade is designed with an advanced aerodynamic shape and is fabricated with composite tubular braiding/epoxy. Detailed blade-spar design was done in an iterative program of braiding trials to define fiber orientions, coupled with blade design and analysis.

FOR ADDITIONAL INFORMATION: You can learn more details about this technology by ordering the NTIS report: AD-A109377, price code: A05 or contact project officer Mark L. White (314)263-1625.

C288 Standard Transistor Arrays: Random-logic , integrated MOS digital circuits are generated National Aeronautics and Space Administration, Washington, DC.

Oct 83 (A, B)

Connections between the transistors in a gate, and connections between gates, occur with such frequency that good physical solutions may be extremely complex. Achieving a good physical solution is especially important in the design of digital large-scale-integration (LSI) circuitry. The Standard Transistor Array (STAR) design system is a semicustom approach to generating random-logic integrated MOS digital circuits. The primary program in the STAR system is CAP-STAR, the STAR Cell Arrangement Program. CAPSTAR is augmented by an automatic routing program, a display program, and a library of logic cells. Input to CAPSTAR consists of a description of circuit cells and interconnections. The programs in STAR are written in BASIC and FORTRAN IV for batch execution and have been implemented on a Xerox Sigma V.

FOR ADDITIONAL INFORMATION: Contact Computer Software Management and Information Center, Suite 112. Barrow Hall, Athens, GA 30602.

# C223 Surface-Acoustic-Wave Frequency Synthesizer: Synthesizer will operate in the 1,533-MHz frequency range with 3-MHz step size

Army Materie! Development and Readiness Command, Alexandria, VA.

Aug 83 (B)

The second of a two-part program is under way for the development of surface-acoustic-wave (SAW) technology for the U.S. Army Electronics Research and Development Command. SAW oscillators were developed to be incorporated in a microwave frequency synthesizer for the second part of the program. The use of SAW devices improves switching speed, step size, total achievable bandwidth, and the stability of synthesizes at reduced size, weight, and power consumption(5W).

FOR ADDITIONAL INFORMATION: Detailed information about the technology described may be obtained by ordering the NTIS report, order number AD-A086336, price code: A03 or contact Project Officer Thomas Aucoin (201) 544-2452.

czce / Status of Hybrid Microcircuit Manufacture: Report.
—earninarizes materials and assembly techniques used /
for making microcircuits and includes thick-film and /
thiri-film technologies

Army Materiel Development and Readiness Command, Alexandria, VA.

Jan 83 (B, G)

The present status of hybrid microcircuit manufacturing is described in a report prepared by the U.S. Army Electronics Research and Development Command. The microcircuits combine active and passive components for analog, digital, and microwave applications. All aspects of their manufacture are covered, which include design considerations, the selection of materials, fabrication and assembly techniques, packaging, and testing procedures.

FOR ADDITIONAL INFORMATION: Detailed information about the technology described may be obtained by ordering the NTIS report, order number: AD-A097000, price code: A02 or contact project officer Isaac H. Pratt (201) 544-2308.

C274 Production of Microwave Acoustic Delay Linear Improved design provides wider tolerances for production process parmeters

Army Materiel Development and Readiness Command, Alexandria, VA.

Doc 83 (B, G)

A program to develop low-cost production techniques for reliable, rugged bulk acoustic wave delay line has resulted in an improved design for the delay lines which uses mosaic transducers and monolithic impedance matching. The program was conducted for the U.S. Army Electronics Research and Development Command. The design improves the performance at reduced costs and allows greater flexibility in the manufacturing process. Mosaic transducers are formed by dividing the active area into sections, which can be connected in series or in parallel, resulting in a significant reduction in the interaction between input impedance and insertion loss. The feasibility of the design was demonstrated using a computer-linked photolitographic process to produce engineering samples.

FOR ADDITIONAL INFORMATION: Detailed information about the technology described may be obtained by ordering the NTIS report, order number. AD-A197339, price

code: A07.

1152) Mathematical Models of VLSIC's: Models of Americation processes, devices, and circuits are being Americand

Army Material Dave opment and Readiness Command, Alexandria, VA.

May 83 (F) 19

compared with those of the original circuit-board artwork. From these data, a minimum line-width limit is determined for each combination of photoresist, photoresist thickness, and etchant.

FOR ADDITIONAL INFORMATION: Detailed Information about the technology described may be obtained by ordering the NTIS report, order number, AD-A103990, price code: A02 or contact project officer Adolph J. Edwards (202) 394-2755.

abricating a Microcomputer on a Single Silicon Wafer: Proposed fabrication would reduce microcomputer অব্যাদেপ্তানিত তেহাঁৱ ডে ০19৪ Hierarchical Graphics :Software for IC Designation of the Computer processing efficiency

Army Materiel Development and Readiness Command, Alexandria, VA.

Sep 83 (A, B)

A technique to improve design automation processes for IC's involves the use of hierarchically modular processing to partition the design into an easily handled structure. The algorithms performing hierarchically modular processing were developed by the U.S. Army Electronics Research and Development Commandl. Previous graphic techniques have imposed restrictions on circuit geometries and lead to poor processing efficiency duie to the large data storage required. The software incorporating the hierarchically modular processing is designed for use on a dot-matrix printer/plotter and can be used for multilevel simulation, module placement and connector routing, design rule and connectivity checking, and documentation.

FOR ADDITIONAL INFORMATION: Detailed information about the technology described may be obtained by ordering the NTIS report, order number: AD-A109507, price code: A03 or contact project officer Henry Rielesamen (201) 544-4258.

C231 Computer-Aided Design of Microwave Antennas:

Time and expense can be significantly reduced

Army Materiel Development and Readiness Command,
Alexandria, VA.

Nov 83 (A, B)

A computer program has been developed for the design and simulation of linear-array microstrip antennas for transmitting and receiving signals at microwave frequencies. The work was conducted for the U.S. Army Electronics Research and Development Command. Microstrip-array antennas have the advantages of ease of fabrication, low cost, light weight, and structural conformability. The computer program, which uses a transmission-line network to represent a multi-element linear array, allows the designer to vary any one or more of the antenna-design parameters and to observe such results, as changes in the radiation pattern or amplitude distribution. The program also offers

customs for considering the effects of reflections due to in sectance mismatch at each element, pratch directivities du to the brondside gain of each element, insertion phase, ar compensation for insertion phase.

FOR ADDITIONAL INFORMATION: Detailed informatic about the technology described may be obtained by ordering the NTIS report, order number: AD-A117399, pricede: A02, or contact project officer Moms Campi; (20: 384-3449).

Correcting an Electron Beam in IC Processing: Computer program provides correction for scattering in electron-besm lithography
See 0537

0009 Effects of Composite Haterials on Avionics Equipment Report suggests ways of coping with the absence of a built-in electromagnetic boundary Army Materiel Development and Readiness Command, Alexandria, VA.

Oct 83 (B, H)

A report discusses the effects of advanced composite materials on avionics equipment. It identifies major problem areas; namely, lighting and electromagnetic pulse protection, the deterioration of antenna performance, electromagnetic interference and electromagnetic compatibility, and the reduction of radar cross section. Possible solutions to these problems are presented. The report, which was prepared for the U.S. Army Aviation Research and Development Command, devotes a separate section to problems peculiar to helicopters. Appendixes present technical background on interference control and electromagnetic environmental effects. An extensive bibliography is included.

FOR ADDITIONAL INFORMATION: Detailed information about the technology described may be obtained by ordering the NTIS report, order number AD-A104015, price code: A07 or contact project officer F. Cansler (314) 263-1635.

0537 Correcting an Electron Beam in IC Processing: Computer program provides correction for scattering In electron-beam lithography

Army Materiel Development and Readiness Command, Alexandria, VA.

Nov 83 (B, G)

An analytical correction technique improves the geometrical distortion resulting from the scattering of electrons during the patterning of IC resists. Development of the method was conducted for the U.S. Army Electronics Research and Development Command. The scattering of electrons, also known as the proximity effect, seriously compromises the

bricability, and component interchangeability, a hybrid. design was chosen for the leaf springs consisting of afternating leaves of steel and fiberglass/epoxys a graphite/ epoxy tube with adhesively bonded steel and sleeves. FOR ADDITIONAL INFORMATION: Detailed information

about the technology described may be obtained by ordering the NTIS report, order number. AD-A112770, price code: A11 project officer Avery H. Fisher (313) 574-6478.

### 0720 Low Cost Insulator 3

Department of the Air Force, Washington, DC. (H)

The development of a low cost insulation material for protection against rocket exhaust was investigated by the Air Force Rocket Propulsion Laboratory. The investigation verified the feasibility of developing an insulation material by using inexpensive ingredients. Analyses and testing revealed that by using an inexpensive filler mixed with a polymer, curing agent and cure catalyst, the mixture could be used to protect structures and facilities against rocket exhaust. Further investigation has revealed that a formulation using carbon black will produce the optimum results to achieve the goal of protection against rocket exhaust. The insulation material is very easy to mix and requires nothing special in the preparation.

FOR ADDITIONAL INFORMATION: Contact: TSgt Ernest B. Toscano, AFRPL/MKPA, Edwards AFB, CA 93523; (605) 277-5430.

Lubricating High-Temperature Engines: Reacting gases produce a solid lubricant See 0158

Machnozzle Fabric Predryer: Device operates effectively and economically See 0589

0721 Manufacturing Porous Stainless-Steel Mose Tips: Sintering conditions are chosen to obtain the required gas permeability

Army Materiel Development and Readiness Command, Alexandria, VA.

Jul 83 (G, H)

Techniques used to fabricate transpiration-cooled nose tips for missiles may prove useful in the general manufacture of porous metal parts. In a program conducted for the U.S. Army Materials and Mechanics Research Center, tips of the specified geometry and gas permeability were made from

sintered 316L stainless-steel powder. Fabrication begins with the pouring of the powder into an oversize mold. The mold is help upside down and vibrated to assure uniform compaction of the powder. The exact sintering conditions. such as powder coarseness, pressure, sintering time, and sintering temperature, are selected to impart the required porosity or gas permeability to the sintered billet.

FOR ADDITIONAL INFORMATION: Detailed Information about the technology described may be obtained by ordering the NTIS report, order number: AD-A087837, price code: A06, or contact project officer G.F. Pittinato (617) 923-3523.

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#### C. 2) Staterials for Gan-Mask Fabrication: Thermoplastic polyurethanes show promise for molding lenses. facepieces, and unimasks Y

Army Materiel Development and Readiness Command, Ajexandria, VA.

(G, H)

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A study by the U.S. Army Armament Research and Deveiopment Command reports on alternate materials for fabricating XM-29 gas masks. The information may be of use to manufactures of industrial gas maks, safety equipment, diving equipment, or plastic optics. Particular attention was given to thermoplastic polyurethanes for molding lenses and other parts. Of these, the aromatic polyethers were the most promising, with enough strength to maintain lens shape after molding and with sufficient optical clarity.

FOR ADDITIONAL INFORMATION: Detailed information about the technology described may be obtained by ordering the NTIS report, order number. AD-A101301, price code: A06 or contanct project officer John Scavnicky (301) 671-2448.

### 0652 Warm and Cold Forging of Gun Tubes: Equipment and energy are reduced

Army Materiel Development and Readiness Command, Alexandria, VA. Oct 83

Cold and warm rad all forging has been successfully used b form large gun tubes in experiments conducted by the U.3 Army Armament Research and Development Command Previously, such tubes were produced only by hot forging and conventional machining. Cold and warm forging come less than hot forging because the workpiece-heating requirements are reduced. The energy-saving feature may be very practical to aircraft, automotive, machine-tool, and other metal-processing industries.

FOR ADDITIONAL INFORMATION: Detailed information about the technology described may be obtained by order. ing the NTIS report, order number. AD-A1180690, price code: A02 or contact project officer Vito Coloangelo (51g) 265-5827.

# control allows the steel microstructure to be matched b the expected streets

Army Material Development and Readiness Command Alexandria, VA.

Mar 83 (H. J)

The behavior of a rolled homogeneous steel armor and a panetrator alloy is described in terms of a matehmetica model in a report prepared by the U.S. Army Armament Research and Development Command. The model is based on the nucleation, growth, and coalescence of cracks and is used to study the main features of failures caused by stress waves. The report also proposes a method of designing a material to resist spallation that is based on the crack-nucleation and growth-rate equations of the model. Equations were developed to describe fractures with stress waves, the spallation of low-alloy nickel/chromium rolled steel armor, and the dependence of fracture on material parameters.

FOR ADDITIONAL INFORMATION: Detailed information about the technology described may be obtained by ordering the NTIS report, order number. AD-A090421, price code: A02, or contact project officer Gerald L Moss (301) 278-E043.

# Graphite/Epoxy Reinforcement for Gun-Barrel Extension: Modified extension gives prester accuracy

Army Materiel Development and Readiness Command.

Mar 83 H

Gun-barrel extensions can be made lighter and stiffer by replacing the outer part of the metal with advanced composits material, according to a report of the U.S. Army Materials and Mechanics Research Center. The drooping of the extended barrel under its own weight contributes to the dispersion of emerging projectiles. To increase the stiffness/ weight ratio and reduce these effects, the outer metal of the extension was machined away, to be replaced with a graphite/epoxy composite. The new extension was 14 percent lighter and showed greater stiffness, faster vibration damping, and lower round dispersion than the all-metal version. Similar benefits could be obtained by applying the composite-material technology to other artillery components as well as to a variety of aircraft, ground vehicles, and other structures requiring high strength/weight ratios.

FOR ADDITIONAL INFORMATION: Detailed Information about the technology described may be obtained by ordering the NTIS report, order number: AD-A090386, price code: A02 or contect project officer Robert Lawls (617) 923-5351.

0761 Texture Strengthening of Armor Plates: The A-286

austenitic steel appears to be most promising from the standpoint of texture strengthening

Army Materiel Development and Readiness Command, Alexandria, VA.

Jul 83 (H)

The U.S. Army Materials and Mechanics Research Center sponsored an experimental and theoretical study of face-centered cubic (f.c.c.) materials, such as 7039 aluminum, 5-percent Ni alloy steel, and A-286 precipitation-hardened austenitic steel, for possible texture-strengthening effects. Texture configurations (110) and (111) were identified as the strongest contributors to the through-thickness strength; i.e., ballistic resistance. A computer program was developed for calculating Taylor factors from pole-figure data by incorporating the spatial crystallite-orientation distribution function.

FOR ADDITIONAL INFORMATION: Detailed information about the technology described may be obtained by ordering the NTIS report, order number. AD-A090464, price code: A05, or contact project officer Antone Zarkades (617) 923-3111.

#### ATTACHMENT B

- --Frequency Scanning Radar Concepts for Army High Energy Laser Weapons, April 1982;
- --Properties of Evaporated Fe-Co Alloy Films (Ring laser and gyroscope applications), April 1982;
- --Sharp Nose Lens Design Using Refractive Index Gradient, June 1982;
- --Magneto-optic Materials for Biasing Ring Laser Gyros, April 1982;
- --Materials Research for Advanced Inertial Instrumentation, February 1984

Federal Register

Vol. 50, No. 61

Friday, March 29, 1985

**Presidential Documents** 

Title 3-

Notice of March 28, 1985

The President

**Continuation of Emergency Regarding Export Control Regulations** 

On March 30, 1984, by Executive Order No. 12470, I declared a national emergency to deal with an unusual and extraordinary threat to the national security, foreign policy, and economy of the United States in light of the expiration of the Export Administration Act of 1979. Because the Export Administration Act has not been replaced by the Congress, the national emergency declared on March 30, 1984, must continue in effect beyond March 30, 1985. Therefore, in accordance with Section 202(d) of the National Emergencies Act (50 U.S.C. 1622(d)), I am continuing the national emergency in order to deal with the threat posed by the unrestricted access of foreign parties to United States commercial goods, technology, and technical data and by certain boycott practices of foreign nations. This notice shall be published in the Federal Register and transmitted to the Congress.

Round Reagan

THE WHITE HOUSE, March 28, 1985.

[FR Doc. 85–7771 Filed 3–28–85: 11:02 am] Billing code 3195–01–M