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Action Chairman Committee

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S E C R E T PARIS 19955

2065: RDS-L 6/20/2009 (FRIEDMAN, A.S.) OR-S TECH, MNUC, ENRG, PK, FR 12065: TAGS: SUBJ: PAKISTANIS NÜCLEAR PROGRAM

(S - ENTIRE TEXT)

AT JACOMET'S REQUEST, SCICOUNS HET WITH MR. LEYGONIE WHO HAD INFURMATION ON PAKISTANTS NUCLEAR PROGRAM TO PASS ON TO USG (LEYGONIE IS "CHIEF ARMAMENT ENGINEER" WHO HAD SERVED AS ASSISTANT TO JACOMET AND IS TEMPORARILY ACTING SECRETARY OF THE PRESIDENT'S NUCLEAR POLICY COUNCIL, FOLLOWING JACUMET'S RESIGNATION EFFECTIVE TUDAY, JUNE 20).

LEYGONIC, W/HO PARTICIPATED IN LAST FEBRUARY'S MEETING IN PARIS WITH GUHIN, ET. AL. UN PAKISTAN, SAIU FRENCH INTELLIGENCE AGENCIES HAD MADE A THOROUGH INVESTIGATION OF FRENCH INDUSTRY ASSISTANCE TO PAKISTAN'S CENTRIFUGE PHOGRAH.

LEYGONIE RECALLED THAT AT FEBRUARY BRIEFING WE GAVE SOME DETAILS ON STATUS OF PARISTAN CENTRIFUGE PROGRAM, NOTING, FOR EXAMPLE, THAT THEY WENE USING AL-7075 TUBES OF LO CM DIAMETER WHICH WOULD HAVE A PERIPHERAL VELOCITY OF 358 M/S. THE FRENCH

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Marvin Russell, Senior REVIEW AUTHORITY: Reviewer



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#### SECRET

PAGE 22

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PARIS 19955 211534Z

CONVINCED THAT THE PAKISTAN CENTRIFUGES ARE FAR MORE SOPHISTICATED AND EFFICIENT THAN THAT.

5. AFTER U.S. HAD INFORMED FRENCH OF ROLE THAT SOCIETE CALORSTAT MAD IN FABRICATING BELLOWS, GOF IMMEDIATELY ALERTED THEIR CUSTOMS AND EXPORT CONTROL PEOPLE AND ON MAY 2 STOPPED CALORSTAT FROM ANY FURTHER WORK IN THIS AREA. BY THAT TIME ONE THOUSAND BELLOWS HAD ALREADY BEEN FABRICATED AND EXPORTED TO PAKISTAN OF A TOTAL ORDER OF TEN THOUSAND BELLOWS. THE BELLOWS DESIGN SPECIFICATIONS AND THEPLANS FOR THE MACHINES TO FABRICATE THE BELLOWS HERE TRANSMITTED TO CALORSTAT FROM THE PAKISTAN EMBASSY IN MEST GERMANY. THE MACHINES WHICH WERE USED FOR MAKING THE BELLOWS HAD A CAPACITY OF 200 BELLOWS PER MONTH. CALORSTAT WAS ADVISED TO SEND THE FABRICATED COMPONENTS TO "SPECIAL WORKS ORGANIZATION; L69 KITSON RD., HESTRIDGE, RAHALPINDI, PAKISTAN".

G. THE PAKISTAN BELLOWS AND CENTRIFUGE TUBES ARE MADE OF MARAGING STEEL AND NOT ALUMINIUM AS WE HAD THOUGHT. THE MARAGING STEEL WAS IMPORTED FROM THE NETHERLANDS. A DETAILED EXAMINATION BY THE FRENCH OF THE PLANS FOR THE BELLOWS AND THE MACHINES TO CONSTRUCT THEM CONVINCED THE FRENCH THAT THEY ARE IDENTICAL TO THOSE USED AT URENCO. THE ELECTRON BOMBARDING WELDING TECHNIQUE REQUIRED FOR MARAGING STEEL AND THE DEGREE OF THE SOPHISTICATION OF THE TECHNOLOGY INVOLVED HAVE LED THE FRENCH TO CONCLUDE THAT THE PAKISTANIS HAVE DETAILED URENCO PLANS AND THE FRENCH ARE VERY CONCERNED ABOUT THE INADEQUACY OF URENCO SECURITY.

THEY BELIEVE THE PLANS CAME FROM M.A.N., THE GERMAN COMPANY FABRICATING THE URENCO CENTHIFUGES, AS WELL SECRET

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### Department of State

## INCOMING TELEGRAM

#### SECRET

PAGE 83

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PARIS 19955 211534Z

POSSIBLY FROM PHILIPS IN THE NETHERLANDS. ANOTHER FRENCH COMPANY HAD BEEN ASKED BY PAKISTAN TO SUPPLY HIGHLY SPECIALIZED FLOW METERS DESIGNED SPECIFICALLY FOR LOW CENTRIFUGE FLOW RATES AND RESISTANT TO UFG.

7. LEYGONIE HAS SUGGESTED THAT IT HIGHT BE USEFUL FOR FRENCH AND U.S. INTELLIGENCE AGENCIES TO COLLABORATE ON THIS PROBLEM.

8. COMMENT: ALTHOUGH LEYGONIE MAY NOT BE INVOLVED IN MFA MEETINGS HITH AMBASSADOR SHITH, IT MIGHT BE VERY USEFUL FOR GALUCCI TO SEE LEYGONIE SEPARATELY ON JUNE 28. HARTMAN

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