

RADIO FREE EUROPE
MUNICH

INCOMING CIPHER MESSAGE

TO: 

NYC-24 5 APR 67
TO ESTEN MUNICH
FM MOFFAT

0143PM

RE MUN 6 - 4 APR 67
K & W FEES ON JOBS 1.12 AND 1.13 P.O. R-14299 INVOICED
SUBSEQUENT TO THE APPROX \$10,000 LIMIT AUTHORIZED IN
RFEA 27 OF 22 NOV. ARE AS FOLLOWS:

INVOICE NO.	DATE	AMOUNT
227	12/8	2499.63
230	1/17	506.55
230	1/17	91.12
236	2/13	1249.67
240	3/7	2887.54
MARCH ESTIMATED		2500.00

APPROX. TOTAL 9735.00

OF COURSE RFE MUNICH PRACTICE HAS BEEN TO CHARGE OUTSIDE
ENGINEERING SERVICES TO ACCT. 2041. HOWEVER, IT IS SUGGESTED
THAT IN THE PRESENT CASE IT WOULD BE POSSIBLE AND

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ADVANTAGEOUS TO CAPITALIZE APPROPRIATE ENGINEERING FEES
AS DONE AT RARET AND CHARGE THEM AGAINST BIBLIS ANTENNA
MODERNIZATION, ACCT. 2112. THEN IF NEEDED, THE \$12,636
COULD BE TRANSFERRED FROM RARET ACCT. 2112 TO RFE-MUNICH
ACCT. 2112. ON THE OTHER HAND, PERHAPS BUD WILL NEED
THE \$12,636 TO FULLY UTILIZE K & W ON RARET PROJECTS
THROUGH JUNE 30.

ACTUALLY THE VACUUM SWITCHES FOR GLORIA ANTENNAS
D2 - D4 ARE NOT EXCLUSIVELY FOR THE PPM PROJECT BUT ARE
COMPONENTS OF OPERATIONAL ANTENNAS WHICH CAN BE
VERTICALLY SLEWED ON THE BASIS OF PREDICTED F2 LAYER
HEIGHTS. THEIR EARLY PROCUREMENT IS NOT REQUIRED TO
EXPEDITE EXPERIMENTAL WORK ON THE PPM PROJECT. THE
NECESSARY PROPAGATION TESTS CAN BE MADE EFFECTIVELY WITH
ANTENNAS D1 AND E1 WHICH HAVE BEEN EQUIPPED FOR VERTICAL

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SLEWING FOR SOME TIME. COMPLETION OF ANTENNAS C1 - C4
FOR WHICH VACUUM SWITCHES HAVE ALREADY BEEN PROCURED,
WILL PROVIDE ADEQUATE FACILITIES FOR COORDINATED
DEVELOPMENT OF THE OVERALL PPM SYSTEM.
YOU INDICATE THAT WE DO NOT HAVE MONEY FOR ANY BIBLIS
WORK IN EXCESS OF THE \$10,000 PREVIOUSLY AUTHORIZED.
HOWEVER, IF APPROVAL CAN BE OBTAINED TO TRANSFER
CAPITAL ALLOCATIONS AS SUGGESTED ABOVE TO COVER THE
COST OF A PRELIMINARY STRUCTURAL DESIGN STUDY BY A
GERMAN FIRM OF CONSULTING STRUCTURAL ENGINEERS OF THE
PROPOSED DESIGN OF THE NEW ANTENNAS FOR BIBLIS SHOWN IN
K & W REPORT DATED MARCH 24, 1967, DWGS. 1.13-8 THROUGH
10, I CERTAINLY WOULD RECOMMEND THAT COURSE OF ACTION

10, I CERTAINLY WOULD RECOMMEND THAT COURSE OF ACTION
IN ORDER TO MOVE AHEAD WITH MUCH NEEDED IMPROVEMENT
OF BIBLIS ANTENNAS.

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IF THE PRELIMINARY STRUCTURAL DESIGN STUDY AND RELATED
COST ESTIMATES INDICATE THAT IT WILL BE FEASIBLE FOR
RFE TO CONSTRUCT AT BIBLIS THE NEW TYPE OF ANTENNAS
PROPOSED BY K & W, THEN IT WOULD BE ADVANTAGEOUS
TO FOLLOW UP PROMPTLY WITH AUTHORIZATION TO K & W
TO PROCEED WITH ADDITIONAL ELECTRICAL DESIGN STUDIES,
MODEL TESTS AND PREPARATION OF DETAILED DESIGN DRAWINGS.
BY PHONE I REQUESTED AND OBTAINED FROM KERSHNER ESTIMATES
OF ADDITIONAL ELECTRICAL DESIGN WORK NEEDED ON BIBLIS
ANTENNA MODERNIZATION WHICH MIGHT BE ACCOMPLISHED
BETWEEN NOW AND JUNE 30. KERSHNER APOLOGIZED FOR
PREVIOUSLY UNDERESTIMATING THE DIFFICULTY OF SOLVING THE
PROBLEM OF FEEDING DIPLEXED 2 - 250 KW TRANSMITTERS INTO
THE RELATIVELY SMALL NUMBER OF ELEMENTS REQUIRED FOR
THE BIBLIS ANTENNAS. ENGINEERING MAN-HOURS ON MODEL

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WORK EXCEEDED THE EARLIER ESTIMATE AND KERSHNER NOTED
THAT K & W HAD ABSORBED PART OF THE COST BY DOWNWARD
ADJUSTMENT OF ENGINEERING MAN-HOURS CHARGED TO RFE.
ASSUMING EARLY AUTHORIZATION, KERSHNER ADVISED THAT
K & W COULD ACCOMPLISH WITHIN A 60 DAY PERIOD PRIOR
TO JUNE 30 IN ADDITION TO NORMAL RFE PRIORITY WORK
ON RARET PROJECTS, ADDITIONAL WORK ON BIBLIS ANTENNA
DESIGN AS FOLLOWS:

1. MODEL WORK ON MATCHING
SYSTEM C. COORDINATED
DESIGN DWGS, BUT NOT
COMPLETION OF ALL DETAILS.
2. FURTHER WORK ON EFFECT OF
FRONT LINE ON REAR LINE

\$5875

2150

\$ 8025

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ESTIMATED MAN-DAYS REQUIRED TO ACCOMPLISHED THE
ABOVE WORK ARE AS FOLLOWS:

SENIOR ENGR.	15 DAYS
JUNIOR ENGR.	30 "
DRAFTSMAN	20 "

ITEM 2 ABOVE PERTAINS TO THE PROBLEM OF THE LIMITED
AREA AVAILABLE FOR ANTENNAS AT BIBLIS. EVEN IF DELAY
IS ENCOUNTERED IN REACHING A DECISION ON THE STRUCTURAL
DESIGN OF THE PROPOSED ANTENNAS, IT SEEMS TO ME THAT IT
WOULD BE ADVISABLE TO GO AHEAD WITH ITEM 2.
PLEASE ADVISE INSTRUCTIONS REGARDING PL-1610.

END MSG