



International Atomic Energy Agency

# INFORMATION CIRCULAR

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#### MATERIALS DELIVERED BY MEMBER STATES

In this document the Director General is reporting to the Members of the Agency, under Article IX. G of the Statute, the quantities of materials delivered by Members up to 30 June 1969 in compliance with requests the Agency had made under Article IX. D.

### ABBREVIATIONS AND SIGNS USED

Agency • International Atomic Energy Agency

Congo, D.R. - Democratic Republic of the Congo

FRG - Federal Republic of Germany

UAR • United Arab Republic

UK united Kingdom of Great Britain and Northern Ireland

USA - United States of America

USSR - Union of Soviet Socialist Republics

n - Natural uranium

n/d • Natural or depleted uranium

Np - Neptunium

Pu - Plutonium

Th - Thorium

U - Uranium

\* Less than  $1 \mu g$ 

\*\* - Less than 1 mg but over 1  $\mu$ g

\*\*\* Less than 0.5 g but over 1 mg

## MATERIALS DELIVERED BY MEMBER STATES UP TO 30 JUNE 1969

Fissionable Total by weight Type of Date of isotope element 225 type of type of Date o	Text of agreement (INFCIRC/	Date of transfer of possession	Type of trans- action	Quantity				
content (kilo- in 255 U action possession (grams-) grams-) (per cent-)				element	isotope content,	Recipient	Supplier	Item

### SPECIAL FISSIONABLE MATERIALS

### Plutonium

				1 Iutomium			
1	UK	Agency	<b>非</b> 非		Sa1e	Jan 1962	
1 2	USA	Agency	*		Gift	Apr 1962	
3	USA	Agency	*		Gift	Sep 1962	
4	USA	Greece	80		Sale	Jun 1963	
5	UK	Yugoslavia	***		Sale	Oct 1963	
6	France	Yugoslavia	5		Gift	Dec 1963	
7	USA	Agency	96		Gift	Mar 1964	
8	USA	Yugoslavia	***		Sale	Jun 1964	
9	USA	Yugoslavia	***		Sale	Jun 1964	
10	UK	Agency	***		Sale	Jun 1964	
11	USA	Agency	***		Sale	Jul 1964	4
12	USA	Pakistan	112		Sale	Apr 1965	34
13	USA	Turkey	72		Gift	May 1966	04
14	France	•	12		Gift	Feb 1967	
15		Agency	80		Gift	Jun 1967	82
	USA	Mexico	2		Sale		82
16	USA	Agency				Aug 1967	97
17	USA	Iran	112		Sale	Sep 1967	102
18	USA	Mexico	80		Gift	Mar 1968	94
19	USA	India	80		Gift	Oct 1968	94
20	France	Romania	1		Loan	Oct 1968	67
21	USA	Uruguay	80		Gift	Jan 1969	7.0
				Enriched uranium			
1	USA	Norway	42 206	3	Lease	Oct 1961	29
1 2		•	2 492	20	Gift	Feb 1962	24
3	USA USA	Finland Finland	5	93	Gift	Feb 1962	24
3 4	USA/		1 988	20	Sale to	Jun 1962	37
4	,	Congo, D.R.	1 300	20		Juli 1302	
	Belgium				Belgium, gift to Congo, D.R.		
5	USA/	Congo, D.R.	3	94	Sale to	Jun 1962	37
	Belgium				Belgium, gift to		
_					Congo, D.R		
6	USA	Austria	200	90	Sale	Jul 1963	
7	UK	Yugoslavia	非常体	93	Sale	Oct 1963	
8	USA	Finland	***	100	Sale	Oct 1963	50
9	USSR	Finland	3 025	10	Sale	Mar 1964	53
10	USA	Agency	3	. 94	Sale	Apr 1964	
11	USA	Agency	*** c/	2	_ Sale c/	Apr 1964	
12	USA	Norway	(40 476) <sup>c/</sup>	3	Return <sup>C</sup> /	Jun 1964	29
13	USA	Yugoslavia	3	95	Sale	Jun 1964	
14	UK	Agency	水水水	93	Sale	Jun 1964	
15	USA	Finland	***	93	Sale	Aug 1964	
16	USA	Agency	3	80	Sale	Nov 1964	00/11/10
17	USA	Norway	57 930	3	Lease	Nov 1964	29/Add. 2, part II
18	USA	Argentina	2 940	90	Giftd/	Dec 1964	62
19	USA	Pakistan	5 175	90	Part gift,	Apr 1965	34
					part sale		
20	USA	Pakistan	2	93	Sale	Apr 1965	34
21	USA	Yugoslavia	292	20	Gift	Nov 1965	32/Add.1
22	USA	Yugoslavia	2 376	20	Gift	Dec 1965	32
23	USA	Yugoslavia	3	93	Gift Gift d/	Dec 1965	32
24	USA	Argentina	893	90	$Gift_{e}^{\underline{u}}$	Dec 1965	62/Add.1
25	USA	Romania	105	33	Gift <u>e</u> /	Dec 1966	
26	USA	Finland	380	90 <u>f</u> /	Gift	Jan 1967	24/Add.2
27	UK	Agency	1	<u></u> 1	Gift	Mar 1967	

			Quantity					
ltem	Supplier	Recipient	Fissionable isotope content, (grams <sup>a</sup> /)	Total element (kilo- grams / )	Enrichment by weight in <sup>235</sup> U (per cent <sup>a</sup> /)	Type of trans- action	Date of transfer of possession	Text of agreement (INFCIRC/)
28	USA	Norway	(14 979) <sup>g/</sup>		3	Return <sup>g/</sup>	Mar 1967	29/Add. 2, part 11
29	USA	lran	5 155		93	Part gift, part sale	Sep 1967	97
30	USA	Iran	3		93	Sale	Sep 1967	97
31	USA	Philippines	1 369		93	Gift	Oct 1967	88
32	USA	Viet-Nam	76		20	Gift	Dec 1967	106
33	USA	Philippines	1 555		93	Gift	Jan 1968	88
34	USA	Spain	10 129		90	Part lease, part gift	Feb 1968	99
35	USA	Finland	380 ~/		90	Sale	Mar 1968	24/Add.3
36	USA	Norway	(42 470) <sup>g/</sup>		3	Return <sup>g</sup> /	Apr 1968	29/Add, 2, part I
37	USA	Yugoslavia	152		20	Sale	Jul 1968	32/Add.2
38	USSR	Romania	20		20	Sale	Sep 1968	
39	USA	Mexico	3 333		20	Gift	Oct 1968	52
40	USA	Mexico	4		90	Gift	Oct 1968	52
41	USA	Congo, D.R.	200		20	Gift	Nov 1968	37
42	USA	Congo, D.R.	5		90	Gift	Nov 1968	37
43	USA	Congo, D.R.	80		20	Gift	Nov 1968	37/Add.2
44	USA	Uruguay	3 183		20	Gift	Jan 1969	67
45	USA	Uruguay	3		90	Gift	Jan 1969	67
46	USA	Pakistan	4 000		93	Sale	<u>h</u> /	34/Add.1
47	USA	Pakistan	1 696		10	Sa1e	$\overline{\mathbf{h}}'$	116
48	FRG	Argentina	750		20	Gift	<u>n</u> / <u>h</u> /	
				Ura	nium-233			
1	USA	Agency	***			Sale	Jul 1964	
				SOURCE	MATERIALS			
				Uı	ranium			
1	Canada	Japan		3 042 <sup><u>i</u>/</sup>	n	Gift to the Agency, sale to Japan	Nov 1959 <sup>f</sup> /	3
2	Sweden	Agency		9	n/d	Gift	Jun 1963	
3	Canada	Agency		6	n/d	Gift	Jul 1963	
4	UK	UAR		2	n	Sale	Nov 1964	
5	USA	Mexico		2 527	n	Lease	Jan 1967	82
6	USA	Mexico		2 519	n	Lease	Apr 1968	102
				т	horium			
1	USA	Finland		***		Sale	Oct 1963	
			NO	N-NUCLE	AR MATER	IALS		
1	UK	Yugoslavia		***( <sup>237</sup> 1	· ·	Sale	Oct 1963	

 $<sup>\</sup>underline{\mathbf{a}}$ / Rounded off to the nearest integer.

b/ The material was purchased by Belgium from USA on 9 December 1958, and donated by Belgium to Congo, D.R., through the Agency and with the approval of the supplier pursuant to the TRICO Title Transfer Agreement (INFCIRC/37, part I). The date given in the table is therefore that of the transfer of title.

c/ See item I under this sub-heading; title to the balance of the material was at the same time transferred to Norway as a gift (INFCIRC/29/Add. 2, part I).

d/ The material had previously been leased by USA to Argentina and was in Argentina at the time of the transfer of title from USA, through the Agency, to Argentina. The date given in the table is therefore that of the transfer of title.

e/ Supplied in connection with Agency Research Contract No. 229/RB.

f/ Five samples each containing 0.595 grams of uranium enriched to 90%, 50%, 20%, 10% and 1% respectively.

g/ See item 17 under this sub-heading; 481 grams of uranium-235 remained in Norway after April 1968.

h/ Material not delivered by 30 June 1969 but already allocated under Article XI. F.1 of the Statute.

 $<sup>\</sup>underline{\underline{i}}/$  Samples weighing 26 kilograms, which were transferred at an earlier date, are included in this amount.