

\$23,380 to \$32,395. (b) Each section head is responsible to the director for planning, initiating, conducting and supervising research in his section; for the preparation of reports and publications; for liaison with other sections and with scientists in other research organizations and industry.

2.	(a)	(b)		
		(i)	(ii)	(iii)
(i) Acoustics	10	10	10	10
(ii) Electricity	4	4	4	4
(iii) Heat and Solid State Physics	5	5	5	5
(iv) High Temperature Physics	10	5	5	5
(v) Instrumental Optics	1	1	1	1
(vi) Mechanics	2	2	2	2
(vii) Optical Physics	10	10	10	10
(viii) Photogrammetric Research	9	9	9	9
(ix) Radiation Optics	10	10	10	10
(x) Time and Frequency	3	3	3	3
(xi) X-Rays and Nuclear Radiations	11	11	11	11
(xii) Cosmic Rays and High Energy Physics	10	10	10	10
(xiii) Larger Molecules	9	9	9	9
(xiv) Laser and Plasma Physics	13	13	13	13
(xv) Metal Physics	19	19	19	19
(xvi) Spectroscopy	32	32	32	32

3.	(a)	(b)	(c)
(i) Acoustics	14	9	Salary
(ii) Electricity	14	6	range of
(iii) Heat and Solid State Physics	17	8	sectional
(iv) High Temperature Physics	10	5	staff is
(v) Instrumental Optics	4	2	\$5,274 to
(vi) Mechanics	8	2	\$32,395
(vii) Optical Physics	15	8	
(viii) Photogrammetric Research	22	11	
(ix) Radiation Optics	14	7	
(x) Time and Frequency	11	5	
(xi) X-Rays and Nuclear Radiations	28	15	
(xii) Cosmic Rays and High Energy Physics	27	14	
(xiii) Larger Molecules	7	5	
(xiv) Laser and Plasma Physics	13	7	
(xv) Metal Physics	23	14	
(xvi) Spectroscopy	21	12	

4. (a) \$6,348,000.  
(b) 70%.

#### SALARIES AND DUTIES OF SECTION HEADS IN RADIO AND ELECTRICAL ENGINEERING DIVISION; NATIONAL RESEARCH COUNCIL

##### Question No. 492—Mr. Holmes:

1. What are the (a) present salary ranges (b) official duties assigned to each of the following Section Heads in the Radio and Electrical Engineering Division of the National Research Council (i) Laboratory Sections: Data Systems, Electrical Engineering, Electromagnetic Engineering, Electron Physics, Medical Engineering (ii) Astrophysics Branch (iii) Canada-France-Hawaii Telescope Project (iv) Algonquin Radio Observatory (v) Dominion Astrophysical Observatory (vi) Dominion Radio Astrophysical Observatory (vii) Radio Astronomy (viii) Ottawa River Solar Observatory (ix) Upper Atmosphere Research (x) Meteorite Observation and Recovery Project (xi) Springhill Meteor Observatory?

#### Order Paper Questions

2. (a) What was the actual written output produced by each of the above sections from August 1, 1973 to August 1, 1974 (b) how many of these publications (per section) were used by (i) that division (ii) other research sections (iii) the public?

3. (a) How many persons are presently employed by each section of the Radio and Electrical Engineering Division (b) how many persons (per section) were actually involved in the production of the written output for that section (c) what is the salary range for persons employed by these sections?

4. (a) What was the overall budget, including grants, for the Radio and Electrical Engineering Division, for the fiscal year 1973 (b) what percentage of this budget was used to pay salaries for the Radio and Electrical Engineering Division?

**Hon. C. M. Drury (Minister of State for Science and Technology):** 1. (a) The salary range for section heads is \$23,380 to \$32,395. (b) Each section head is responsible to the director for planning, initiating, conducting and supervising research in his section; for the preparation of reports and publications; for liaison with other sections and with scientists in other research organizations and industry.

2.	(a)	(b)		
		(i)	(ii)	(iii)
(i) Data Systems	9	9	9	9
Electrical Engineering	41	41	41	24
Electromagnetic Engineering	27	27	27	17
Electron Physics	18	18	18	18
Medical Engineering	22	22	22	22
(ii) Astrophysics Branch	consists of 2(iii) to 2(xi) incl.			
(iii) Canada-France-Hawaii Telescope Project	not a section included in 2(vii)			
(iv) Algonquin Radio Observatory				
(v) Dominion Astrophysical Observatory, Victoria, B.C.	31	31	31	31
(vi) Dominion Radio Astrophysical Observatory, Penticton, B.C.	9	9	9	9
(vii) Radio Astronomy Section	67	67	67	67
(viii) Ottawa River Solar Observatory	included in 2(vii)			
(ix) Upper Atmosphere Research Section	27	27	27	27
(x) Meteorite Observation and Recovery Project	included in 2(ix)			
(xi) Springhill Meteor Observatory	included in 2(ix)			

3.	(a)	(b)	(c)
(i) Data Systems	27	15	Salary
Electrical Engineering	24	19	range of
Electromagnetic Engineering	25	13	sectional
Electron Physics	17	9	staff is
Medical Engineering	11	9	\$5,274
			\$32,395
(ii) Astrophysics Branch	consists of 3(iii) to 3(xi) incl.		
(iii) Canada-France-Hawaii Telescope Project	not a section		
(iv) Algonquin Radio Observatory			
(v) Dominion Astrophysical Observatory, Victoria, B.C.	43	16	
(vi) Dominion Radio Astrophysical Observatory, Penticton, B.C.	13	5	
(vii) Radio Astronomy Section	61	20	
(viii) Ottawa River Solar Observatory	included in 3(vii)		
(ix) Upper Atmosphere Research Section	31	14	