

C455-10-13.
Laboratory Services,
Occupational Health Division,
200 Kent Street, Ottawa, Ontario.

April 10th, 1956.

Mr. K. J. Christie,
Department of Northern Affairs
and National Resources,
Lands Division,
238 Sparks Street,
Ottawa, Ontario.

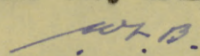
Dear Mr. Christie:

Some time ago this division agreed to give you a list of the materials and equipment which might be required for a laboratory at Yellowknife, N.W.T.

Attached is such a list which was prepared by J. L. Monkman who suggests that the laboratory be operated by a chemist II or preferably Grade III. If there are further questions you may wish to consult him or even call another meeting.

In any case we will be pleased to give you any further assistance you require.

Yours very truly,


W. L. Ball, Ph.D.,
Senior Officer,
Investigations Group.

Encl:

WLB/ds

mt
Dr. W. L. Ball.

J. L. Monkman.

453-2-1
April 9th, 1956.

Herewith list of materials and equipment necessary for a
laboratory at Yellowknife.

The person employed to operate this laboratory should be at
least Chemist II or preferably Chemist III.

J. L. Monkman.

JLM/ds

CHEMICAL LABORATORY, YELLOWKNIFE

The above laboratory should have a minimum of 25 feet running bench space, an 8 foot fume hood, and enough space for a desk and files. The cost of this amount of bench space may run to about \$3000. A fume hood of the size suggested may be expected to cost \$1000. There should be a glass washing sink 28" x 20" x 10". In stainless steel this may cost \$500.

Electrical, hot and cold water, gas and compressed air services should be available. A list of specific items of materials and equipment is appended.

This is a preliminary list, and may not be absolutely complete in all details.

Available from Fisher Scientific Co.

1	Stop Watch 14-647	24.00
2	Flask Safety Tongs 10-063	9.98
2	Crucible Tongs 15-190	7.80
6	Scoopolas 14-357	1.33
1	Book Lens Paper 11-995	0.60
1	Pair Watch Glasses 3" counter poised 2-195	1.25
1	Pair Shears Trimming 8" 14-275	4.01
1	Balance Pan Brush $\frac{1}{2}$ " 3-665	0.80
1	Beaker Brush 3-540	2.00
1	Beaker Brush 3-541	1.33
2	Burette Brushes 3-614	0.48
1	Balance Harvard Double Beam 2-037	26.44
1	Laboratory Pulverizer 8-301	282.00
2	Lbs. Alumina Adsorption A-540	5.50
100	Grams Sodium Diethyldithiocarbamate S-287	3.25
1	Quart Pyridine ACS P-368	7.36
1	Lb. Chromium Trioxide A-98	1.55
6	Measuring Rules celluloid 9-016	1.80
2	Bottles Nonaq Stopcock Grease 14-633	2.60
1	Lb. Glass Wool Pyrex 11-388	4.07

10	Feet Tube Cleaner Size A 3-642	0.27
10	Feet Tube Cleaner Size B 3-642	0.53
10	Feet Tube Cleaner Size C 3-642	0.67
1	Barnstead Still Capacity $\frac{1}{2}$ gallon per hour 1300 watts 9-018	123.50
1	Refrigerator unit for 115 volts 60 cycles AC 17-180	296.93
1	Analytical Balance Christian Becker Chainomatic AB4 1-948	441.25
1	Set Balance Weights Permas, Class S, 2-216	53.20
5	Gallons Absolute Alcohol A-406	6.50
5	Gallons Acetone A-18	14.10
1	Gross Bottles, sample, screw cap, square 4 oz. 3-325	168.40
1	Drying Oven Isotemp 13-245 115 volt AC	199.50
1	Safety Visor 11-409	3.25
2	Graduated Cylinders Exax 100 ml. 8-554	4.02
2	Graduated Cylinders Exax 50 ml. 8-554	3.46
2	Graduated Cylinders Exax 25 ml. 8-554	3.02
2	Graduated Cylinders Exax 10 ml. 8-554	2.80
2	Pipettes Exax 1 ml. 13-649	1.50
2	Pipettes Exax 2 ml. 13-649	1.50
2	Pipettes Exax 3 ml. 13-649	1.72
2	Pipettes Exax 4 ml. 13-649	1.82
2	Pipettes Exax 5 ml. 13-649	1.82
2	Pipettes Exax 10 ml. 13-649	1.94
2	Pipettes Exax 15 ml. 13-649	2.42
2	Pipettes Exax 20 ml. 13-649	2.46
2	Pipettes Exax 25 ml. 13-649	2.46
2	Burettes 50 ml. ultramax 3-702	13.08
2	Boxes Arsenic Strips 1-413	15.96
3	Celluloid Shields Size No. 7 2-653M	27.93
24	Polyethylene Bottles with caps 8 oz. 2-923	13.20
36	Reagent Bottles Pyrex 125 ml. 2-905	20.43
24	Reagent Bottles Pyrex 250 ml. 2-905	16.83
12	Reagent Bottles Pyrex 500 ml. 2-905	10.80

12	Reagent Bottles Pyrex 1000 ml. 2-905	16.83
6	Reagent Bottles Pyrex 2000 ml. 2-905	14.85
1	Constant Temperature Water Bath 15-454A (115 volts, 60 cycles AC)	253.50
1	Hotplate Electric Lindberg Large 20" x 12" 11-499	123.50
1	Hotplate Electric 3 heat size No. 22 18" x 13" 11-497	83.20
2	Heaters Ful Kontrol 750 watts, 115 volts, 60 cycles AC (11-427)	145.60
2	Thermometers Centigrade -20° to +110° 14-985	3.36
2	Thermometers Centigrade -20° to +180° 14-985	3.60

Available from J. T. Baker Chemical Co.

1	Lb. Stannous Chloride Reagent 1-3980	3.67
1/4	Lb. Silver Nitrate Reagent 4-3426	4.14
1/4	Lb. Mercuric Bromide Reagent 4-9043	3.71
2	Lbs. Potassium Iodide Reagent 1-3164	8.56
5	Lbs. Zinc Granular 10 mesh 5-4240	7.65
5	Lbs. Zinc Granular 20 mesh 5-4244	10.10
5	1 Lb. Bottles Sodium Hydroxide 1-3722	5.20
1	Lb. Ammonium Oxalate Reagent 1-0746	1.91
2	6 Lb. Bottles Hydrochloric Acid 5-9534	5.52
2	9 Lb. Bottles Sulfuric Acid 5-9680	8.46
2	7 Lb. Bottles Nitric Acid 2-9600	6.44
1	7 Lb. Bottle Nitric Acid Fuming 2-9624	7.07
5	1 Lb. Bottles Perchloric Acid 1-9650	9.75
1/4	Lb. Arsenic Trioxide Reagent 4-0061	2.07

Available from Scientific Glass Apparatus Co.

4	Dozen Gutzut Apparatus J-422	196.56
48	Erlenmeyer Flasks Pyrex 125 ml. with lip and 19/38 standard taper neck J 1714	66.96
1	Lb. Glass Beads, perforated, pyrex, 3 mm. dia. J 1229	5.00