Page --- Uh, two . . . we think

Hoot's Message

J. M. G. has ably filled the position of Dean of Forestry since 1929. Originally a member of the class of 1915 Hoot took time out for the First World War and then came back here to U. N. B. to graduate in 1919. In 1929 while employed Editor-in-Chief. with the British Columbia Forest Service he was offered the position of Dean of Forestry here.. Since Feature.. leaving the B. C. Forest Service he has kept in touch with current in- Sports Editor. dustrial problems and practices of the forestry profession. He has been consulting forester to the Quebec North Shore Company as well as serving in various capacities with the Dept, of Lands and Mines News Editor of New Brunswick. In recognition of his outstanding civil defense work during World War II he was awarded the O. B. E.

May I draw to your attention the results of a "Foresters' Training Questionnaire" recently submitted to Government, Forestry Departments and to a good cross section of the Forest Industry.

It covers two major points: (1) the courses given, or which should be given, in relation to their usefulness to the employer, (2) the importance the employer attaches moral and physical characteristics Deans, Professors and scientists. Elsewhere in this issue you will glected in the meantime. of the employee.

The most useful courses according to Government Forest Services are: First group-surveying, silviculture, mensuration, photogrammetry, forest protection, forest management, meinematics and English; second group-economics, wood technology, entomology, pathology; third group-Biology, logging and mechanical engineer ing.

R. Scheult who is conducting a These services recommend more post-graduate course in mechanireport writing, and more work on cal logging. soils and photo interpretation.

The forest industry divides the usefulness of courses on the type followed with a Master's degree in ment of various kinds, with struc- plications in logging. of employment, whether in forestry 1936 in which he specialized in tures such as dams, flumes and or operating

mechanical logging. Mr. Scheult loading plants, with transportation For the forester the most usebrings to the U.N.B. campus a wide systems by rail, water, roadways ful are surveying, protection, silviculture, mensuration, photogram- understanding of his field gained and cableways, with the location, metry, management, mathematics through intensive research and his construction and operation of these and English, followed by entomoown professional experiences. logy, pathology and economics, and laying less stress on logging, Canada Power and Paper Corpora- job and problems occur in job orwood technology, biology and me- tion working on timber surveys. ganization, personnel management,

Fredericton - City of Stately Elms



MANAGING EDITOR We couldn't find one

Chief Editor.

Double Feature.

Proof Readers . . .

.Bill MacPherson (He'll take the blame)

Babe Bailey (He's trying)

Dingo Currie (Look out for that left)

Business Manager.

(We didn't need one but he wanted his name included)

Don Hall (It was news to him)

Andy Anderson Bob Clouston Obituaries. (You dig this one up)

(Ya, blame Bill)

(He tried)

(They wanted too much money, so . . .)

Foresters lead with Special Edition

At 3 a.m. this morning the peace- Students too will raise their shaky find reports on forestry sports, ful silence of the campus was split voices in writings, both serious dances, and field events. Considby a lusty howl of TIMBER. The and otherwise. first Forestry issue of the Brunswickan printed by the five-year tributions written by members of many words of wisdom. However, class, was born. 'This young fel- the forestry faculty and by Dr. R. by next year he will have grown

Logging-Post-Graduate Course

He will speak with the tongue of the forestry profession.

basic forestry concepts which are

It is essentially a production

ering his extreme youth this young On this page you will find con- Brunswickan chap has pronounced

low, equipped with the lungs of a E. Balch. These articles deal with amazingly and you may expect future Bull of the Woods (or Paul some of the many aspects of for- much from him. His parents-Bunyan) insists on being heard. estry and indicate the diversity of the forestry students -- guarantee that his education will not be ne-

Dr. Balch's

It gets better

Message

Dr. R. E. Balch, officer in charge of the Dominion Entomology Labbratory in Fredericton, completed his under graduate studies at the College, Agriculture Ontario Guelph, Ont., where he graduated Roy Wright in 1923. Later he studied one year at the University of Toronto, and did post-graduate work at the New. .Don Fowler York State College of Forestry, in Syracuse, N. Y. He has had wide experience in many parts of the United States and Canada. At present Dr. Balch is national president of the Canadian Institute of Foresrfy.

> You asked for a little "moralizing" on what the profession of forestry holds out for students. I would sooner turn the question around and ask what the present students hold -out for forestry. Perhaps it is much the same thing. for progress in the practice of forestry and opportunities in the profession both depend on the quality of the men who go in for it.

The past histry of forestry in Canada is the history of the gradual acceptance of the idea that "trees are a crop", that forests are a "renewable resource" which call for "proper use" based on knowledge and restraint. If these phrases are trite, it is because foresters have had to repeat them ad nauseam to get them accepted and they will have to go on doing so for we are only beginning to pass from the stage of exploiting the accumulated growth of centuries to the protection and management of This year the Faculty of For- ent. It is with great preasure that be useful to anyone specializing in the future crop. Fortunately, naestry has been honored by the ad- we introduce Mr. Scheult to you logging and which can be taken as ture has been less resentful than dition of a new member to the and pass along his advice for spec-staff. We are speaking of Louis ialization in logging. Determined and which can be taken as the might and by good luck rather be averaged by the might and by good luck rather than be taken as the might and by good luck rather than good management we have a sists of mathematics and certain very fair second crop. But it is Considered apart from the engineering courses which are of- beginning to be realized that it is fered, some specially designed for only a small part of what it can forestry students, others of a more be if our forest land is treated University of Toronto in 1928 with logging deals with people, with general nature. These courses are with the respect and intelligence a B. Sc. in Forestry. This was large areas of land, with equip- useful in the many engineering ap- it deserves. In other words, if we

What is forestry? It is some-The other broad group deals times called a science, but it is as with cost control, business organi-zation, personnel management and like all arts, its successful praccontract law. Optional courses tice depends on knowledge and the dealing with these subjects are use of the scientific method. It is listed in the fourth and fifth years. based on many sciences, but is not While these are courses which a science in itself. The forester

are technically the most useful often finds he is dealing with con-

ate such confusion and to try to ensure dent who wishes to entomology as a voca what the possibilitie Forestry course for t field. With this ai in mind, the present rected principally to second year student As a necessary course, Biology 220 Zoology) must be tal be covered in the With this basis, it then effect Forestry Morphology - Exter

Page - Can't you o

Forest

Prof. Rae Brown.

tomologist, who hails Ontario, came to U. I

Rae obtained his B.A.

his M.A. in 1943 from tario University. Wh

Western he spent his

various field station

Ontario and Quebec

the Department of A

vision of Entomology

his graduation he was

the Division of Ento

est insect labrotory

Since the inception

year course in Forest

fusion has already a

ing the series of co

students may elect i

ceive some degree of

in entomology and f

training. It is the p

brief outline to atten

logy during their

Marie, Ont.

estry 362 (Insect M ternal) in the third helpful electives for year, Biology 311-3 Botany, and Plant A suggested. In the fo estry 440 (Insect T then be elected and panied by another such as Biology 460 In the fift logy). specialized field of logy is reached and fered are Forestry tion to Forest Ent estry 532 (Econom tomology) and a course Forestry 53 tomological Liter



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chanical engineer

by photogrammetry, management, economics and silviculture, and laying less stress on entomology. pathology, biology and wood technology

For both the forester and the logger, industry expresses the need of courses in report writing, public speaking, commercial law and and structures

and government services to Eng-lish, the medium by which you * * * convey your ideas to others in either speaking or writing.

Important", "Important", "Useful" and "Not Important"

These factors and the grades received from the questionaire are as follows:

and "Important."

portant.'

"Very Important."

portant.

Ability to get along with Superance "Important" or "Useful."

For three years he was with the

hanical engineering. The next eleven years was spent cost analysis and accounting, in there are others which are equally jecture as much as demonstrable for the logger the most useful as Wood's Manager for the Singer the drawing up and execution of important from the broader cul- fact. He is concerned with men as courses in their opinion are sur- Manufacturing Co. in Quebec. The contracts, in the control of produc- tural point of view. The English well as trees and is called upon to veying, logging mensuration, pro- Finch Pryn and Co., of Quebec and tion over vast areas. We thus have two broad groups not be overlooked for very obvious books. tection, mathematics, English and New York then acquired his sermechanical engineering, followed vices as their Logging Superintend- of subjects or courses which would reasons.

systems.

Mr. Scheult graduated from the covered in the essential courses-

Silviculture

Prof. H. D. Long graduated in of timber, the silviculturist must botany; soil science; geology; Forestry in 1934 following which look ahead and consider the pos- dendrology; plant anatomy or wood accounting; and for the logger he studied plant pathology at Mac- sible effects of the logging opera- technology; plant ecology & climamore work in enginering, in hy- Donald Agriculture College and tion on the next crop. Certain log- tology, or silvics; plant physiology draulics, and construction of roads then spent a year at McGill Uni- ging methods are destructive to & silvicultural practice, or silviculversity doing post-graduate work in the new young timber crop, or ture (theory and practice.)

Some of the courses that were ecology. Besides having spent four create conditions unfavorable for suggested by the companies re- years with the Dominion Forestry its successful establishment, or imturning the questionnaire are now service Prof. Long was employed pair the health and lower the qualpart of our five year curriculum, by the Canadian Pulp and Paper and I also wish to emphasize the Institute for the two years precedimportance given by both industry ing his joining the U. N. B. For- must work together in planning the have an elementary knowledge of:

The training necessary for a stu-

dent who wishes eventually to be-The questionnaire requested var- come a silviculturist may best be dependent upon so many funda- logy. jous factors to be assessed as "Very deduced from a consideration of mental sciences, the silviculturist the activities and resopsibilities of can not become proficient in all, the silviculturist.

the growing of forest crops. To the healthy crops of timber, he must silviculturist, the forest is not an School Training — About evenly exploitable natural resource, but tomologist and weigh their recommendations against the economic or planted, protected from destruc- and silvicultural factors involved Previous Experience - Fifty per tion by insects, disease and other in timber growing. He must cent considered it "Useful", while agents, carefully tended until it sider the requirements of wildlife the others classed it evenly be. reaches maturity, and then harvest- and the conditions necessary for tween "Very Important" and "Im- ed and reproduced immediately, to the recreational use of the forest,

Dependability - All rated it as of a new crop. Delay in securing a ed with the growing of a timber new crop means time and money crop.

Energy - 70% rate it as "Very lost in the growing of timber. Prob-Important" and the balance as "Im- ably the most important and the ducing crops of timber, depends most difficult task of the silvicul-Persistence - 60% rate it as turist is that of obtaining an ade- the fundamental principles involv-"Very Important". 25% "Import-ant", and 15% as "Useful." quate stand of regeneration after the harvesting of the old crop. the fundamental principles involv-ed, and a knowledge of the many environmental factors exerting an

Associates — Over 80% rate as Whereas the logger thinks in tial for a proper understanding of Simple Soul—Ore who starts out (Continued on Page Six) terms of the present mature crop silvicultural problems; elementary to build a \$7,500 house with \$7,500.

an appreciation of the problems of ity of the new crop. The logging workers in related branches of forengineer and the silviculturist logging operation so that a method logging methods, forest products, both economically and silvicultur- forest management, wildlife man-

ally acceptible may be applied. Since the growing of timber is est entomology and forest patho-

but must enlist the aid of special-

consult the pathologist and entomologist and weigh their recomensure the prompt establishment when these uses are to be combin-

> Success in growing and reproupon a thorough understanding of

The silviculturist is interested in influence on the forest throughout iors - 75% "Very Important", bal- logging (the harvesting of the tim- its life. Thus the following ber crop) only to a certain degree. courses may be considered essen-

and French courses offered should use his head as well as his text-

What then should the forestry

student aim at in his undergraduate work? For one thing he cannot afford to specialize too early, or too closely. He does not go to university to learn established techniques for growing and harvesting trees, but the principles on which these techniques must be based. Here he has the opportunity, which he may not have again, to learn something of the fundamentals of his sciences, and at the same time to develop his own powers of thought and expression. He will In addition, for the successful be forced to specialize soon enough application of silviculture and for -in some branch of research or teaching, in methods of logging, protection, or management. At estry, the silviculturist should university he should not be in too much of a hurry to climb some

small pinnacle where, like Leacock's Ph.D., he can see nothing agement, forest mensuration, forbut his own feet. Whatever his specialty there is one science in which I think every

forester should be well grounded. refer to ecology. Perhaps ecology is not yet a science so much as point of view, but it will underlie all his work. If he does not have H. D. Long it, he will be in danger of many mistakes. The forest is an association of plants and animals, the association being the product of environment. The forester who cannot visualize it as such does not know his job. He has to work with nature and he will need to get something of her long term view. He cannot afford to be an opportunist looking for too quick results. If he is, he will be disappointed and will contribute little

to the progress of his profession. These homilies do not answer your question, but perhaps they suggest some of the ideas common Blotter--Something you look for to workers in forestry. The profession is young and growing. It * * * holds out opportunities in many Simple Soul-Ore who starts out different fields, but they are all (Continued on Page Six)

axe'd yet. * * *

Psychology-The science that

tells you what you know in words you can't understand.

Nurse-Panhandler.

while the ink dries.

Twins-Womb mates.

Above all, the student should realize that proficiency in silviculture can be gained not by the mere Silviculture is concerned with ists in various fields. To grow taking of courses, but through serious study and long experience.

DEFINITIONS

Virgin timber-Ain't never been