

MONTHLY REPORT: August, 1950

C.I. Asst.

Mel. Str. No. 21/778:

Readings for the month were entered and submitted to Director of Mel. Services. The total rainfall was 1.26" I read *Bioscience* twice during the month.

Municipal Rates:

The weekly checks were submitted to the Circle Arguason.

Accounts:

All accounts were submitted under C.I. 92 to the Director — H.R.O.

Staff:

Received advice that Forester Milton will take over at the beginning of September.

The Research Forester was on leave for 1 day.

The F.R.O. was on leave on the 31-8-50.

I applied for 33 days vacation and it was approved.

Library:

2 Refinements were made in Research Library. All bulletins <sup>has been</sup> forwarded to the Conservator → D.F.O.'s Western Conservancy.

Correspondence:

I only dealt with 89 incoming & outgoing letters during the month.

### Inspection & Visitors:

A number of British Streamis spent a short visit to Jaktor. back, and Mr Naini A.P.R.O explain to them about the work.

### Visitors to Picnic Site:

Only a few visitors visited the picnic site during the month.

### Typing - Management:

Most of my time during the month I spent in typing the thesis on Beenevli catchment and tally the expenditure for the financial year 1949-50, and according to the machine slips from H Office an totals is £. 8. 9 6/10

### General:

All my other work are up to date, and forms for Stationary required for quarter ending September has been advised.

H. Weideman

Navorsing Rapport.  
Augustus 1950.

Ons veldwerk vir die maand Augustus was goed. Alles het glad afgeloop sonder enige moeilikhede.

Ons reënval was besonder swak. Dit het gewissel vanaf 1.62 by stasie No 7 tot 8.54 by stasie No 17.

Ons het vir 10 dae reën aangeteken.

Temperatuur was as volg. Hoogst. Max. 26.5° Hoogst. Min 13.3°  
Laagste " 10.5° Laagst. " 2.6°

Die nuwe oorsee diag. het ek op verskillende maniere uitgetoets. Ek het bepaal, dat daar niks aandoen is om die reën en knip van die diag. te verhoed nie.

Groen sal ek aanbeveel dat die padjie by Waterval berg uit buite aandag sal geniet. Dit is feitlik nie meer loopbaar nie.

Alen, as ons geldsake in orde is, sal in padjie vanaf Casella No 14 na die boonste bergpaaiet (at groot gerief wees. Ons het al jare behoefte aan hierdie voorgestelde padjie.

E.J. Borchardt.

Asst. Research Officer,

Jonkershoek,

P.O. Stellenbosch.

31st August, 1950.

Forest Research Officer,

Jonkershoek.

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Inspections:-

On Tuesday 8th August the Chief Hydrological Research Officer visited Jonkershoek.

E.T. Losses:-

By the beginning of the month I had written a report on the E.T. losses from Bosboukloof, but after a discussion on the subject with Dr. Wicht, it was decided that the difference in average daily E.T. losses over a year differed too much from year to year to leave this aspect not investigated.

Regression lines, using percentage E.T. losses of average daily E.T. losses on percentage max. temp. of average daily max. temp. were drawn for several years, but this method was found to be unsuitable.

The discounting of the effect of temperature and reducing the error variance by means of regressions was tried next, but the same significant differences were found as were apparent when temperature was not discounted.

As the statistical measures ~~involved~~ concerned were too involved, I visited Prof. S.J. Pretorius at the University. He was not able to enlighten me at such short notice but promised to examine the problem and to give it to his senior students for analysis.

Educational:-

On Thursday 31st, a short resumé of the research projects at Jonkershoek was given to a party of U.K. students who have just toured the Union.

General:-

On Thursday 31st, I visited Dr. Wicht who informed me of the possibility of being temporarily transferred to

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to Cathedral Peak Research Station.

Some time was spent in helping with administrative work.

*M. S. Wainui*

Asst. Forest Research Officer.

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