

COVENTRY EDUCATION COMMITTEE



COVENTRY TECHNICAL COLLEGE

Principal : R. A. ARCULUS, B.Sc.(Eng.), (Hons.), A.M.I.Mech.E.

DEPARTMENT OF MECHANICAL ENGINEERING

Head of Department :

H. WILSON, B.Sc. (Eng.) (Dunelm), Wh.Sch., A.F.R.Ae.S.

SPECIAL LECTURE COURSE

ON

SOME CONSIDERATIONS OF
MOTOR VEHICLE DESIGN

W. L. CHINN, O.B.E., M.A.,

Director of Education.

COVENTRY TECHNICAL COLLEGE

Special Lecture Course on
Some Considerations of Motor Vehicle Design

Course Tutor : R. E. E. Streeter, A.M.I.Mech.E.

Monday Evenings, 7.00 to 9.00 p.m.

4th January to 8th March, 1965

Course Fee : £1 0s. 0d. plus 2/-.

A course of ten lectures on motor vehicle design dealing in particular with those aspects influencing vehicle behaviour and performance.

This course is intended for designers and development and production engineers.

**SOME CONSIDERATIONS OF
MOTOR VEHICLE DESIGN**

I wish to enrol for this course.
I enclose Cheque/Postal Order for
£1 0s. 0d.*/£1 2s. 0d.*
(See overleaf)

Signed

Date

* Delete as necessary

DEPARTMENT OF MECHANICAL ENGINEERING

Monday

1. 4th January, 1965
"GENERAL CHASSIS LAYOUT"
Lecturer : A. D. Mattocks, A.M.I.Mech.E.,
Standard-Triumph International Ltd.
2. 11th January, 1965
"POWER UNIT DESIGN TO MEET MODERN REQUIREMENTS"
Lecturer : J. R. Goffin,
Morris Motors Ltd.
3. 18th January, 1965
"TORQUE CONVERTER AND GEARBOX DESIGN, WITH
PARTICULAR REFERENCE TO HEAVY VEHICLES"
Lecturer : S. F. Burnett, A.M.I.Mech.E.,
Self Changing Gear Co. Ltd.
4. 25th January, 1965
"SUSPENSION AND STEERING DESIGN"
Lecturer : M. Bunker, A.M.I.Mech.E.,
Standard-Triumph International Ltd.
5. 1st February, 1965
"BRAKES—DESIGN AND DEVELOPMENT TESTING"
Lecturer : J. Shaw,
Rover Co. Ltd.
6. 8th February, 1965
"CAR HEATING AND AIR CONDITIONING"
Lecturer : J. Dodsworth, A.M.I.Mech.E.,
Rover Co. Ltd.
7. 15th February, 1965
"CHASSIS AND SUSPENSION DESIGN AND DEVELOPMENT
WITH REGARD TO COMPETITION"
Lecturer : D. A. White,
Jaguar Cars Ltd.
8. 22nd February, 1965
"ROAD TEST AND DEVELOPMENT"
Lecturer : K. W. Sharpe, A.M.I.Mech.E.,
Rootes Group, Humber Ltd.
9. 1st March, 1965
"THE RIG TEST ENGINEER—HIS INFLUENCE UPON DESIGN"
Lecturer : D. T. Harris, A.M.I.Mech.E.,
Ford Motor Co. Ltd.
10. 8th March, 1965
"LUBRICANTS AND FUELS—FACTORS AFFECTING
DESIGN OF THE VEHICLE"
Lecturer : L. E. P. Wright, A.M.I.Mech.E.,
Shell Mex and B.P. Ltd.

Surname

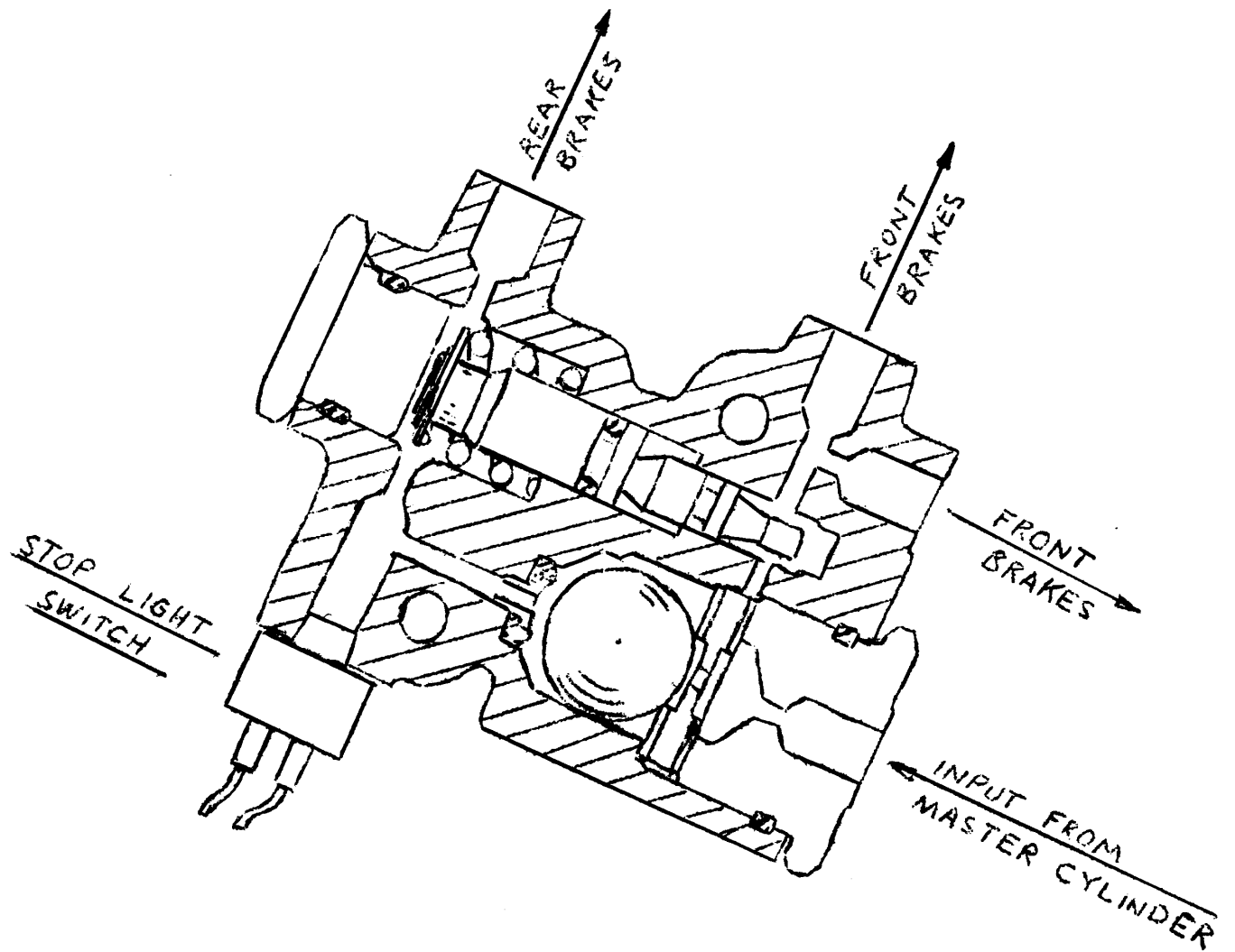
Christian Names

Home Address

Employer's Name and Address :

Post held

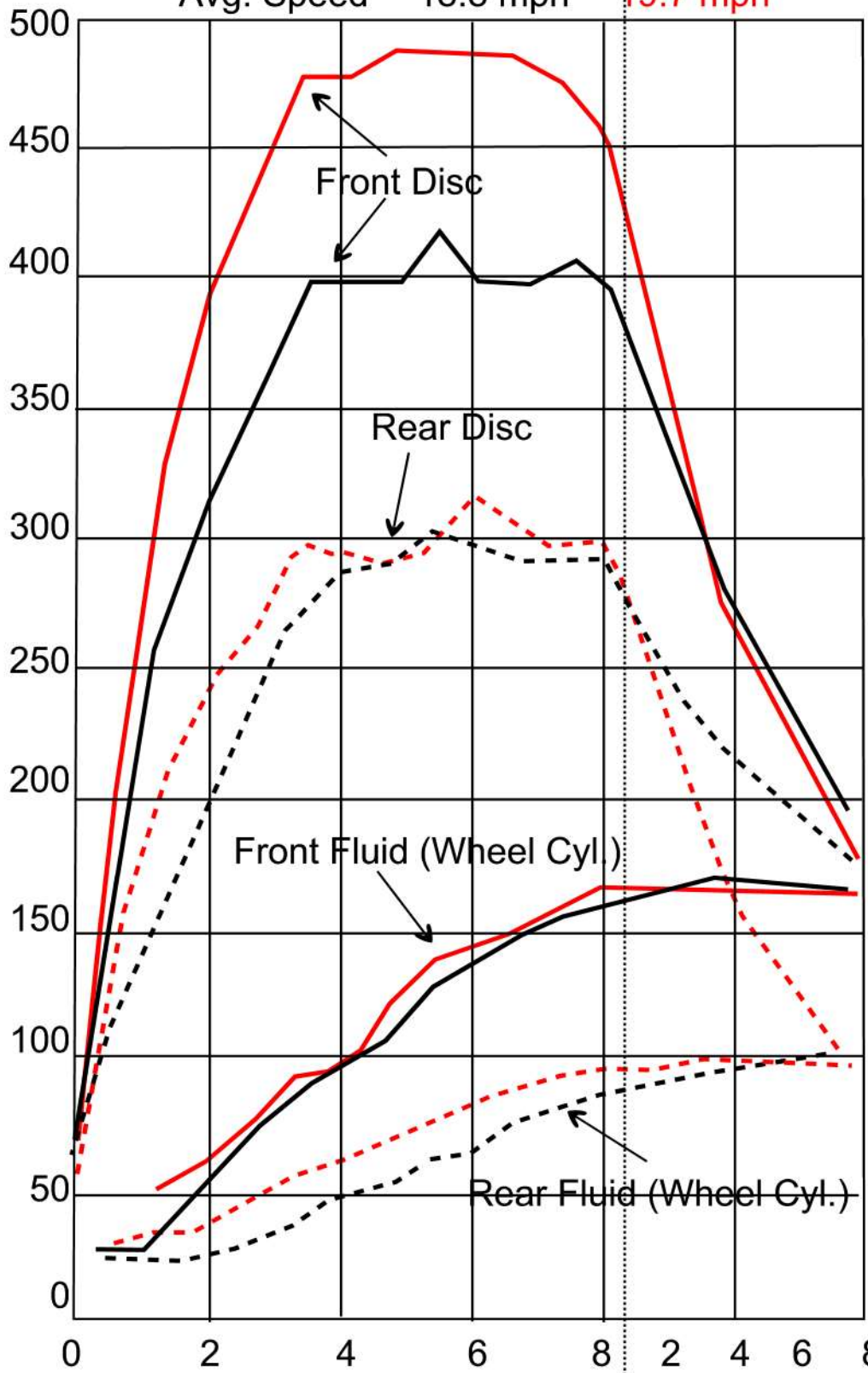
Please return this form by
23rd December, 1964.



GIRLING 'G' VALVE

Location:	Stelvio:	M.I.R.A.:
Distance:	8.2 miles	8.2 miles
Duration:	26 mins	25 mins
Avg. Speed	18.8 mph	19.7 mph

Temp °C



Distance (Miles)

Heat Soak (Mins.)

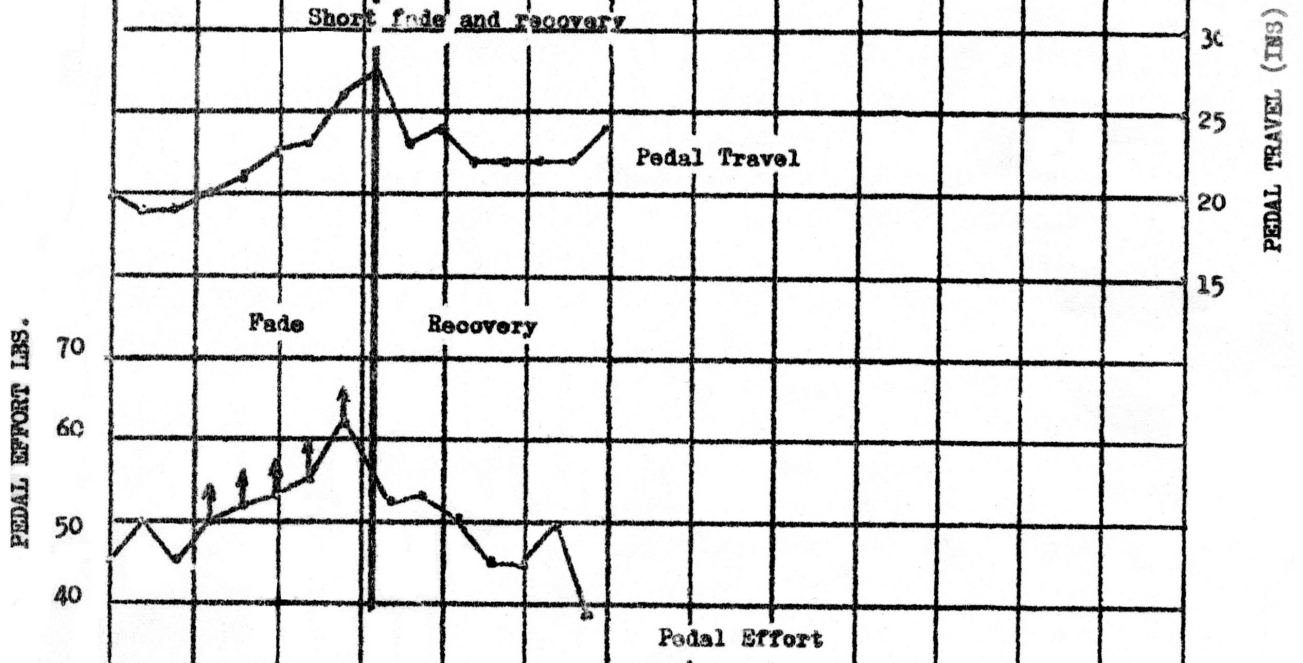
BRAKE FADE PERFORMANCE TEST

Vehicle Wt. 3,700 lb.

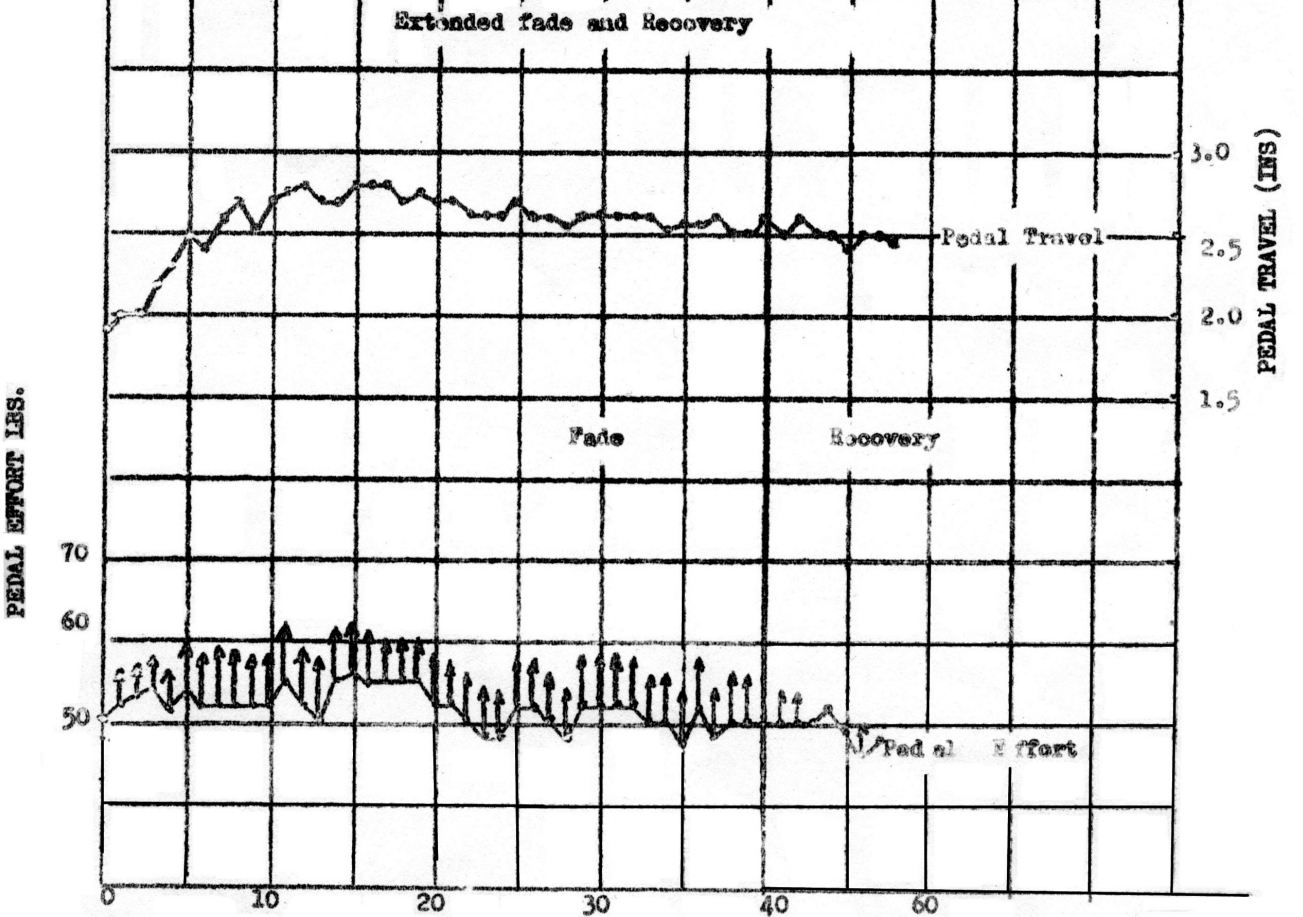
Disc/Drum Installation

$\frac{1}{2}g$ Decelerations from 70 m.p.h. 1 min. interval

Short fade and recovery



Extended fade and Recovery



5 10 15 20

$\frac{1}{32}$ DECELERATIONS FROM 70 m.p.h. 1 min interval

Vehicle Wt. 3,700 lbs.
Disc/Drum installation

