Date of Request	Proposed By	Endorsed By	Description	Problem Nos.	Time Requested	Time Allotted
29 O 54	K. Vozoff Geology & Geophysics	P.M. Hurley Geology & Geophysics	Analysis of surface electrical measurements in terms of subsurface distributions of conductive materials	123	7 hrs	7 hrs
			Dispersion in surface wave trains	212	6.5 hrs	6.5 hrs
29 O 54	T.Y. Toong Mech. Eng.	J. Kaye Mech. Eng.	Heat transfer for supersonic flow of air in a tube	199	15-20 hrs	15 hrs
1 N 54	J.H. Laning Jr Instrumentation Lab.	same	Algebraic translation routines: an interpretive program	108	15 min/wk	5 hrs
1 N 54	G. Koster SS&MT	J.C. Slater Physics	Tight binding calculations in crystals	174		
	M. Saffren SS&MT	J.C. Slater	An augmented plane wave method as applied to sodium	194		
	A. Meckler SS&MT	J.C. Slater	Study of the ammonia molecule	201	5 hrs/wk	55 hrs
	A. Meckler SS&MT	J.C. Slater	Electron lattice interaction in solids	205		
	R. Nesbet SS&MT	J.C. Slater	Transformation of integrals for diatomic molecules	218		
8 N 54	B.D. Gavril Mech. Eng.	A.H. Shapiro Mech. Eng.	The aerothermopressor	120	80 hrs	30 hrs
10 N 54	Y. Shulman Aero-elastic Lab	R. Bisplinghoff Aero. Eng.	Helicopter rotor stability	222	2 hrs	2 hrs
12 N 54	B. Campbell Lab for Nuclear Science	F.J. Eppling Lab for Nuclear Science	Determination of phase shifts from experimental cross-sections	162	5 hrs	5 hrs

16 N 54	T.P. Goodman Mech. Eng.	J.B. Reswick Mech. Eng.	Industrial process control studies	213	2 hrs	2 hrs
17 N 54	R.G. Mills Elect. Eng.	P.M. Morse Physics	Crosscorrelation of blast furnace input-output data	180	2 hrs	2 hrs
18 N 54	L. Sartori Physics	P.M. Morse Physics	Neutron-deuteron scattering	225	5 hrs	5 hrs
23 N 54	J. Uretsky A. Temkin L. Sartori M. Rotenberg CMMC	P.M. Morse Physics	Coulomb Wave Functions	122	20 hrs	20 hrs
23 N 54	A. Tubis CMMC	P.M. Morse Physics	Variation-perturbation of atomic wave function and energies	217	30 min	30 min
29 N 54	A.T. Ling CMMC	S.H. Crandall Mech. Eng.	Evaluation of explicit and implicit difference formulas for the diffusion equation	228	1 hr	1 hr
23 N 54	R.S. Mulliken University of Chicago	J.C. Slater Physics	Exchange integrals between real Slater orbitals	204	25 hrs	25 hrs
30 N 54	J.D.C. Little Physics	P.M. Morse Physics	Water use in a hydroelectric system	159	3-10 hrs	5 hrs
30 N 54	J.F. O'Donnell Chem Eng	E.R. Gilliland Chem Eng	Products of batch distillations with holdup	167	3 hrs	3 hrs
30 N 54	M. Troost Chem Eng	T.H. Pigford Chem Eng	Determination of the critical buckling B^2	227	2 hrs	2 hrs
3 D 54	M. Troost Chem Eng	M. Benedict Chem Eng	Reactor runaway prevention	231	3 hrs	3 hrs