es]	20	50		Example	[6]		世	20000 _
	18 =	45	Rotations radius [cm]	To find the relative centrifugal force at	relative centrifugal force – gravities [g]		SPEED - REVOLUTIONS PER MINUTE	
gins		= 40	s rad	a radial distance of 10 cm from the	IRANI	=	PER	15000
ns ra	16	40	ations	center of rotation when operating the centrifuge at a speed of 3000 r.p.m.,	Щ -	=	SNC	_
Kotations radius [inches]	14 —	35	Rota	place a straightedge on the chart	-0RC	三	Ĕ	10000 —
운	''=			connecting the 10 cm point on the Rotating Radius Scale (A) with the	3AL F	30000	(EVO	8000 —
	12 —	30		3000 r.p.m. point on the Speed Scale	SIFU	20000 —	D - F	0000 —
	=			(B). Read the point at which the straightedge intersects the Relative	ËNTI	40000	SPEE	6000 —
				Centrifugal Force Scale (C) – in this	WE C	10000		_
	10	25		case, 1000 x gravity.	ELAT	5000		_
				Similarly, if the desired r.c.f. is known,	&	\equiv		4000 —
	8 —	20		the necessary speed for a given rotating radius may be determined by		_		_
	_	 		connecting the two known points and		2000 —		3000 —
	7	18		reading the intersection of the straightedge with the Speed Scale.		1000		=
	6 —	16		Straighteuge with the opecu scale.				2000 —
						500 =		Ξ
	5.5 —	14						1500 -
	_					200 —		_
	5 —	12				_		1000
						100 =		1000 —
	4 —	10		Equation for Calculating R.C.F.		=		800 _
	3.5 —	9		$R.C.F. = .0000118 \times r \times N2$		50 =		_
	_			R.C.F. = relative centrifugal force				600 —
	3 —	8		(gravities)		20 —		_
	2.8 —	7		r = radius from center of rotation to		_		400
				bottom of tube (cm)		10 =		_
	2.3 —	6		N = rotating speed (rev. per minute)		8 🗏		300 —
						4 =		_
	_	<u> </u>				\equiv		000
	2 —	<u> </u>				2 —		200—
	_	_						150 —
		+				1 =		
	1 —	4				0.5		_
						0,5 -		100 —

