## APPLICATION FOR NEW OR MODIFIED RADIO STATION AUTHORIZATION UNDER PART 5 OF FCC RULES - EXPERIMENTAL RADIO SERVICE (OTHER THAN BROADCAST)

	Applicant's Name and Post Office address (Street address, city, state, and ZIP Code. See instruction			DO NOT WRITE IN THIS BLOCK File No.			
DEPT.	OF BIOLD PLSITY OF PROVIDEN	M BURNS 1614L SCIE = ALASKA XE DRIVI KK 99590	ENCES ANCHORAGE E		EX-PL-20	03	
2(a). Application				2(b). For Modificati	on indicate below	7:	
New station	☐ Mod	ification of existing	authorization	File No.:	File No.: Call Sign:		
				articulars to be modif or a replacement of			
FREQUENCY -		EMISSION -		POWER -	Loc	ATION -	
addition or	replacement?	addition or	replacement?	addition or r	eplacement? ac	ddition or replacement?	
4. Particulars of frequency (state whether kHz or MHz)			EMISSION	MODULATING SIGNAL	NECESSARY BANDWIDTH (KHz)		
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
401.65 MH	2 0.5 Natt	60.7 W	peak	G1D	"Manchester encoded	± 4 KH2	
	\$ 0.7 %	30.7			phase		
					Medulalat."		
(E) Insert max units. (D) Insert "ME. (E) List each t (F) Insert as a: (1) the max (2) maximu (3) frequent	imum R.F. outp imum effective AN" or "PEAK" ype of emission ppropriate for kimum speed on	ut power at the e radiated power (See definitions in separately for the type of most f keying in baulating frequency of carrier;	transmitter or from the a in Part 5). Reach freque dulation:	more space is required terminals. Specify unnerna (If pulsed eminates) may be seen to the control of the contro	its. Ission, specify pea		
For comple		ention rate.					

5 (1). P	roposed location of FIXED/BASE	transmitter and transmitting antenn MOBILE	BASE AND MOE	
5 lo). I:	f permanently locate	ed at a PIXED location, give below:		describe the exact area of
State	County	City or Town	operation	A 1
			-coastal	Alaska
Numb	er and street (or oth	er indication of location)	-Bering Se	A _
			- northeast	n Pacific Ocean
5 (1)(1).	. Enter geographical coordi	antes exact to the nearest second (see instru	ion 10) 5(c)(1)Enter geograp	ohical coordinates of the approximate operation (see instruction 10.)
North L	atitude (DD-MM-SS)	West Longitude (DD-MM-SS)	North Latitude	West Longitude
0	, "	o ,	55°0'0"	" °160° 30′ 0″
5(d). I	Datum (see instructio	n 10):	7 🔽 NAD 83	-
E. Is	a directional antenn	a (other than radar) used? YES	NO NO	
	"YES", give the follo	_	· ·	
		legrees at the half-power point		
(b)	Orientation in horiz	contal plane	) Orientation in vertical	plane
7 Te	this authorization to	be used for fulfilling the requirem	t of a government cont	rect with an econory of the
	nited States Governm	15	<del></del>	ract with an agency of the
		TBIT No a narrative i	∐ NO	and and and took
	ency and contact nu		ttement describing the g	overnment project
		be used for the exclusive purpose	developing radio equipr	ment for export to be employed
		Jurisdiction of a foreign governmen		ment for export to be employed
		☐ YES	NO NO	
Ιf	"YES", attach as EXH	IBIT No the following	information: Provide the	contract number and the
		overnment concerned.		
		be used for providing communications of the research project).  7 YES	is essential to a research	project? (The radio communi-
If	"YES", attach as EXH	IBIT No a narrative	tement provding the fo	llowing information:
		e nature of the research project bei	g conducted.	
		communications facilities requested sting communications facilities are		search project involved.
(0)	11 D.10 W 111G VII.GV VII.		au oq uu vo	
i). If in	all the answers to It detail the following	tems 7, 8, and 9, are "NO", attach as EX	HIBIT No.	a narrative statement describing
(a)	The complete progrand theory of oper	am of research and experimentation ation.	proposed including descr	ription of equipment
	The specific objecti	ves sought to be accomplished.	*	
(c)		of experimentation has a reasonable		
11/- 1 /		ation of the radio art, or is along lin		44444
	in this application: _	the length of time that will be requi	ou to complete the progra	am or experimentation proposed
		give the length of time in months t	t the authorization requi	ested in this application
				orton III tille application
		grant of this application come with nental impact (see instruction 11)?	Section 1.1807 of the FC	C Rules, such that it may have a
I	f "YES", attach as EX	HIBIT No an Env		
	List below transmitti MANUFACTURER	ng equipment to be installed (if exp	rimental, so state): EL NUMBER	NO. OF UNITS
		esearch Unit Sa	life Roby Data	Logger 30
	Sea Mammal Ki	DUN UNI	THE LAND DOWN	-554

. <b>-</b> :.	Is the equipm	nent listed in Item	m 18 capable of static	on identification pursua	nt to Section 5.152?	YES [	Ои		
.E.	Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building?  YES  NO								
			see instruction 9): nd to tip of antenna	is meter	s.				
	(b) Elevation	of ground at an	tenna site above me	an sea level is	meters.				
	(c) Distance	to nearest aircraf	t landing area is			_ kilometers.			
	the opinio	natural formation on of the applica cal hazard of the	nt, would tend to shi	nade structures (hills, tre leld the antenna from a	es, water tanks, towe Ircraft and thereby n	rs, etc.) which ninimize the	n, in		
	if any, gi	ving heights in	meters above ground	al profile sketch of total for all significant feat ting already available.	structure including s ures Clearly indicate	supporting bu existing port	ilding, ion,		
1 3.	Applicant is:	(Check only one	box?						
	☐ INDIVIE	OUAL ASS	ociation [	] PARTNERSHIP	CORPORATION				
	- 1		e provided below)						
	•	University	of Alaski state univ	a Anchorase Vescitu					
 1 <b>7</b> .	Is applicant	`		ative of a foreign gover	rnment?	YES 2	₫ no		
15.				i any FCC station license by this Commission?	e or permit revoked o	or had any	7 NO		
	•	ch as EXHIBIT No i relate circumsta		atement giving call sign	of license or permit	_ car _			
15.	Will applica	nt be owner and	operator of the stati	lon?	<u> </u>	Z YES [	NO		
SO.				area code), and Internet	e-mail address (if app	olicable) of pe	erson		
		who can best handle inquiries pertaining to this application.  QD7-786-4768							
	MICHAE	rehiber	15, Research	Assistant a	smir5@ vaa.	alaska, a	du.		
31.	By checking he or she is conviction ; e.g., corporat	not subject to a pursuant to Section ion, partnership denial of federal	idual applicant certif denial of federal ber on 5801 of the Anti- or other unincorpore	Ties that he or she is elignefits, including FCC because Act of 1988, ated association, certified to that section. For defin	nefits, as a result of a 21 U.S.C. 862. A non-in s that no party to the altion of a "party" for	drug offense dividual appl application i	e licant, is		
13:3.	List below a	ll exhibits in nu	merical sequence and	d the item number of fo	rm requiring the exh	ibit identifie	d.		
EX	CHIBIT NUMBER	ITEM NO. OF FORM	EXHIBIT NUMBER	ITEM ND. OF FORM	EXHIBIT NUMBER	ITEM NO. C	OF FORM		
	<b>±</b>	full page							
	1	item#7							
	2,	Hem #9							

## 23 CERTIFICATION:

Attention: Read this certification carefully before signing this application.

## THE APPLICANT CERTIFIES THAT:

- (a) Copies of FCC Rule Parts 2 and 5 are on hand; and
- (b) Adequate financial appropriations have been made to carry on the program of experimentation which will be conducted by qualified personnel; and
- (c) All operations will be on an experimental basis in accordance with Part 5 and other applicable rules, and will be conducted in such a manner and at such a time as to preclude harmful interference to any authorized station; and
- (d) Grant of the authorization requested herein will not be construed as a finding on the part of the Commission:
  - (1) that the frequencies and other technical parameters specified in the authorization are the best suited for the proposed program of experimentation, and
  - (2) that the applicant will be authorized to operate on any basis other than experimental, and
  - (3) that the Commission is obligated by the results of the experimental program to make provision in its rules including its table of frequency allocations for applicant's type of operation on a regularly licensed basis.

## APPLICANT CERTIFIES FURTHER THAT:

- (e) All the statements in the application and attached exhibits are true, complete and correct to the best of the applicant's knowledge; and
- (f) The applicant is willing to finance and conduct the experimental program with full knowledge and understanding of the above limitations; and
- (g) The applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the USA.

Signed and dated this 24	day of MARCH	2003
Name of Applicant - ENNIFER BU	LLW	
lmust	correspond with name given on Page 11	
By JENNFER BURNS		MS
Title ASSISTANT PROFESSI	rignoturel	• •
Check appropriate classification:		
☐ Individual applicant ☐ Member of applica	ant partnership	
Authorized employee  Office of applican	t corporation or association	
VILLEUL FALSE STATEMENTS MADE ON THIS FORM ARE 13 Section 1001), AND/OR REVOCATION OF ANY STATION 3 Section 312(a)(1), AND/OR FORFEITURE (U.S. Code, Title 4)	N LICENSE OR CONSTRUCTION PERMIT	
***************************************	IDUALS UNDER PRIVACY ACT OF 1974	
AND THE PAPERU	VORK REDUCTION ACT OF 1980	

Information requested through this form is authorized by the Communications Act of 1934, as amended, and specified by Section 308 therein. The information will be used by Federal Communications Commission staff to determine eligibility for issuing authorizations in the use of the frequency spectrum and to effect the provisions of regulatory responsibilities rendered by the Commission by the Act. Information requested by this form will be available to the public unless otherwise requested pursuant to 47 CFR 0.459 of the FCC Rules and Regulations. Your response is required to obtain this authorization.

Public reporting burden for this collection of Information is estimated to average four (4) hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to the Federal Communications Commission, Records Management Branch, Paperwork Reduction Project (3060-0065), Washington, DC 20554. **DO NOT send completed applications to this** and dress. Individuals are not required to respond to this collection unless it displays a currently valid OMB control number.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 98-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.