	Nº 5890	BELO	W. (10 point type minimum)	② CHECK ONE DISCIPLINE (category) below in which reviewers will be best qualified to evaluate your
Por L sa quis 1. la 6. si la au er re	RELIMINARY IN-SITU PRODUCTION RATES OF SAL OVER THE PAST 21.5 KY FROM THE TERM AURENTIDE ICE SHEET, NORTH-CENTRAL NE Dept., Burlington, VT 05405; CAFFEE, National Laboratory, Livermore, CA 94 reliminary in-situ production rates of cosmogenic 10B wer the past 21.5 ky from 13 samples collected from the aurentide ice sheet (~41°N lat., 350m elev.) in north-camples were collected from striated bedrock and large unreliminary in order to compare the effects of substrate contone abundance. Average 26Al and 10Be concentrated 11±0.14*105 atoms g-1 (10) respectively, reflecting cutitude, thickness, and exposure geometry. The average 1±0.8.  The isotopic abundances measured in outcrops a milar as were the isotopic abundances in gneiss and quitude production rates were calculated, on the basis of the second 5.2±0.6 atoms g-1 yr-1 (10 of the mean) for 26Al and apposure age of 21.5 cal 14C ky, based on several independences in of the Laurentide ice sheet. The uncertainty in the second of the Laurentide ice sheet. The uncertainty in the second of the Laurentide ice sheet. The uncertainty in the second of the Laurentide ice sheet. The uncertainty in the second of the Laurentide ice sheet.	INAI W JE Versit Marc 550. e and he terrat errat mpos ons w orrec e 26A and er uartz f thes d 10E bende	MORAINE OF THE RSEY.  y of Vermont, Geology c, Lawrence Livermore  26Al have been calculated minal moraine of the law Jersey. A total of 16 ics composed of gneiss and sition and geometry on the second series of our samples is reatics were statistically ite samples. Sea-level, high-se 13 samples, to be 31.0±3.5 Be respectively, assuming an int age estimates for the	abstract.  1 archaeological geology 2 coal geology 3 computers 4 economic geology 5 engineering geology 6 environmental geology 7 geochemistry, aqueous/organic 8 geochemistry, other 9 geology education 10 geophysics/ tectonophysics 11 geoscience information 12 history of geology 13 hydrogeology 14 marine geology 15 micropaleontology 16 mineralogy/ crystallography 17 paleoceanography/ paleoclimatology 18 paleontology 19 petrology, experimenta 21 petrology, igneous 22 petrology, metamorphi
th al pr or	eflects the variation from sample to sample. These pro- neoretical calculations and new radiocarbon evidence is i., in press, QR) suggest that the production rates of Ni robably 10-20% too high. The production rates reported in a partial data set. Production rates based on the complete near future.	duction from shiiz and are	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based	☐ 23 planetary geology ☐ 24 Precambrian geology ☐ 25 Quaternary geology/ geomorphology ☐ 26 remote sensing ☐ 27 sediments, carbonates ☐ 28 sediments, clastic ☐ 29 stratigraphy ☐ 30 structural geology ☐ 31 tectonics ☐ 32 volcanology
ch al pr or th	neoretical calculations and new radiocarbon evidence factoring in press, QR) suggest that the production rates of Nirobably 10-20% too high. The production rates reported a partial data set. Production rates based on the comparts of the c	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in CHECK IF YOU ARE WILLING TO E	☐ 23 planetary geology ☐ 24 Precambrian geology ☐ 25 Quaternary geology/ geomorphology ☐ 26 remote sensing ☐ 27 sediments, carbonates ☐ 28 sediments, clastic ☐ 29 stratigraphy ☐ 30 structural geology ☐ 31 tectonics ☐ 32 volcanology  BE A SESSION CHAIR
ch al pr or th	neoretical calculations and new radiocarbon evidence for in press, QR) suggest that the production rates of Ni robably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO B Your Name Office Phone Home F	☐ 23 planetary geology ☐ 24 Precambrian geology ☐ 25 Quaternary geology/ geomorphology ☐ 26 remote sensing ☐ 27 sediments, carbonates ☐ 28 sediments, clastic ☐ 29 stratigraphy ☐ 30 structural geology ☐ 31 tectonics ☐ 32 volcanology  BE A SESSION CHAIR
ch al pr or th	neoretical calculations and new radiocarbon evidence for in press, QR) suggest that the production rates of Ni robably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E	☐ 23 planetary geology ☐ 24 Precambrian geology ☐ 25 Quaternary geology/ geomorphology ☐ 26 remote sensing ☐ 27 sediments, carbonates ☐ 28 sediments, clastic ☐ 29 stratigraphy ☐ 30 structural geology ☐ 31 tectonics ☐ 32 volcanology  BE A SESSION CHAIR
ch al pr or th	neoretical calculations and new radiocarbon evidence for in press, QR) suggest that the production rates of Ni robably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are e preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO BE YOUR Name	☐ 23 planetary geology ☐ 24 Precambrian geology ☐ 25 Quaternary geology/ geomorphology ☐ 26 remote sensing ☐ 27 sediments, carbonates ☐ 28 sediments, clastic ☐ 29 stratigraphy ☐ 30 structural geology ☐ 31 tectonics ☐ 32 volcanology  BE A SESSION CHAIR
th al pr or th	secretical calculations and new radiocarbon evidence for in press, QR) suggest that the production rates of Narobably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  VOLUNTEERED FOR DISCIPLINE SESSION VOLUNTEERED FOR THEME SESSION NUMBER:	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are e preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home F Fax E-mail SPEAKER'S IDENTITY AND MAILING Name Patrick Larse in	☐ 23 planetary geology ☐ 24 Precambrian geology ☐ 25 Quaternary geology/ geomorphology ☐ 26 remote sensing ☐ 27 sediments, carbonates ☐ 28 sediments, clastic ☐ 29 stratigraphy ☐ 30 structural geology ☐ 31 tectonics ☐ 32 volcanology  BE A SESSION CHAIR
th al pr or th	neoretical calculations and new radiocarbon evidence of i., in press, QR) suggest that the production rates of Ni robably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are e preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home F Fax E-mail SPEAKER'S IDENTITY AND MAILING Name Patrick Larse in	☐ 23 planetary geology ☐ 24 Precambrian geology ☐ 25 Quaternary geology/ geomorphology ☐ 26 remote sensing ☐ 27 sediments, carbonates ☐ 28 sediments, clastic ☐ 29 stratigraphy ☐ 30 structural geology ☐ 31 tectonics ☐ 32 volcanology  BE A SESSION CHAIR
th al pr on th	secretical calculations and new radiocarbon evidence for in press, QR) suggest that the production rates of Narobably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  VOLUNTEERED FOR DISCIPLINE SESSION VOLUNTEERED FOR THEME SESSION NUMBER:	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are e preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO Be Your Name Office Phone Home Frax  SPEAKER'S IDENTITY AND MAILING Name Petrick Larse To Department	☐ 23 planetary geology ☐ 24 Precambrian geology ☐ 25 Quaternary geology/ geomorphology ☐ 26 remote sensing ☐ 27 sediments, carbonates ☐ 28 sediments, clastic ☐ 29 stratigraphy ☐ 30 structural geology ☐ 31 tectonics ☐ 32 volcanology  BE A SESSION CHAIR
th al pr on th	secretical calculations and new radiocarbon evidence of i., in press, QR) suggest that the production rates of Ni robably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail SPEAKER'S IDENTITY AND MAILING Name Patrick Large Institution Children Research	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR
th al pr on th	secretical calculations and new radiocarbon evidence of i., in press, QR) suggest that the production rates of Ni robably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are e preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home F Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Patrick Large in Department Sealesy Institution University of Ver Address Perkins Bidg City/St/ZIP Burling for, Ver	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR
th al pr on th	secretical calculations and new radiocarbon evidence of i., in press, QR) suggest that the production rates of Ni robably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Patrick Large of Institution Charles Barbing Side City/St/Zip Barbing Side Country	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR □ Phone □ ADDRESS—PLEASE TYPE
th al pr on th	secretical calculations and new radiocarbon evidence of i., in press, QR) suggest that the production rates of Nirobably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated specifically as either "poster" or "oral.")	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Patrick Large To Address Perkins Bidg City/St/ZIP Burking Long Vor Country USA Office Phone (802) 656-3378	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR
th al pr on th	secretical calculations and new radiocarbon evidence of i., in press, QR) suggest that the production rates of Nirobably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated specifically as either "poster" or "oral.")  ORAL—Verbal presentation before a seated audience.	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Patrick Larsen Department Section Side City/St/ZIP Burling For Side City/St/ZIP Burling For Side City/St/ZIP Burling For Side Country US A Count	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR □ Phone □ ADDRESS—PLEASE TYPE
th al pr on th	secretical calculations and new radiocarbon evidence of i., in press, QR) suggest that the production rates of Nirobably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated specifically as either "poster" or "oral.")  ORAL—Verbal presentation before a seated audience.  POSTER—Graphic display on poster boards supplemented by speaker	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Patrick Larse 12  Department Seedery Institution University Side City/St/ZIP Burling Form Side City/St/ZIP Side City/St/Z	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR □  Phone □  ADDRESS—PLEASE TYPE  Deers during the 45 days following
th all proof th	secretical calculations and new radiocarbon evidence for in press, QR) suggest that the production rates of National Probably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated specifically as either "poster" or "oral.")  OBAL—Verbal presentation before a seated audience.  POSTER—Graphic display on poster boards supplemented by speaker comments.  EITHER—Either mode is acceptable.	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Patrick Larse in Address Parking Burling Sidg City/St/ZIP Burling For Sidg City/St/ZIP Burling Fo	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR □ Phone □  ADDRESS—PLEASE TYPE  Ders during the 45 days following used instead.
th all proof th	secretical calculations and new radiocarbon evidence of i., in press, QR) suggest that the production rates of Nirobably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated specifically as either "poster" or "oral.")  ORAL—Verbal presentation before a seated audience.  POSTER—Graphic display on poster boards supplemented by speaker comments.	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Patrick Larse in Department Sealesy Institution Children Bidge City/St/ZIP Burling For Name Country Coun	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR □ Phone □  ADDRESS—PLEASE TYPE  Ders during the 45 days following used instead.
th all proof th	secretical calculations and new radiocarbon evidence for in press, QR) suggest that the production rates of National Probably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated specifically as either "poster" or "oral.")  OBAL—Verbal presentation before a seated audience.  POSTER—Graphic display on poster boards supplemented by speaker comments.  EITHER—Either mode is acceptable.	duction from shiiz ed are olete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Patrick Larse in Address Parking Burling Sidg City/St/ZIP Burling For Sidg City/St/ZIP Burling Fo	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR □ Phone □  ADDRESS—PLEASE TYPE  Ders during the 45 days following used instead.
th all proof th	secretical calculations and new radiocarbon evidence of the production rates of Nitrobably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated specifically as either "poster" or "oral.")  ORAL—Verbal presentation before a seated audience.  POSTER—Graphic display on poster boards supplemented by speaker comments.  EITHER—Either mode is acceptable.  CHECK IF THIS APPLIES  WITHDRAW—If the abstract cannot be accepted in the mode I have indicated, please withdraw it.	duction shiiz duction are plete	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Phone Grid Side City/St/ZIP Berling For	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR □ Phone □  ADDRESS—PLEASE TYPE  Ders during the 45 days following used instead.
th all proof th	secoretical calculations and new radiocarbon evidence of it., in press, QR) suggest that the production rates of Ni robably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated specifically as either "poster" or "oral.")  QRAL—Verbal presentation before a seated audience.  POSTER—Graphic display on poster boards supplemented by speaker comments.  EITHER—Either mode is acceptable.  CHECK IF THIS APPLIES  WITHDRAW—If the abstract cannot be accepted in the mode I have indicated, please withdraw it.  STUDENT AUTHOR—(for Section meetings only)	duction shiiz duction of the s	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Particle Argent Institution Only 18 July	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR □ Phone □ ADDRESS—PLEASE TYPE: □ 25 ↑ 1.0 5 □ 1.0 □ Deers during the 45 days following used instead.
th all proof th	secretical calculations and new radiocarbon evidence of the production rates of Nitrobably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated specifically as either "poster" or "oral.")  ORAL—Verbal presentation before a seated audience.  POSTER—Graphic display on poster boards supplemented by speaker comments.  EITHER—Either mode is acceptable.  CHECK IF THIS APPLIES  WITHDRAW—If the abstract cannot be accepted in the mode I have indicated, please withdraw it.	duction shiiz duction of the s	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Phone Service Side City/St/ZIP Berling Fax Bide City/St/ZIP Berling Fax Side City/St/ZIP Berling	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR □ Phone □ ADDRESS—PLEASE TYPE: □ 25 ↑ 1.0 5 □ 1.0 □ Deers during the 45 days following used instead.
th all proof the state of the s	secoretical calculations and new radiocarbon evidence of the production rates of Nitrobably 10-20% too high. The production rates reported a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated specifically as either "poster" or "oral.")  ORAL—Verbal presentation before a seated audience.  POSTER—Graphic display on poster boards supplemented by speaker comments.  EITHER—Either mode is acceptable.  CHECK IF THIS APPLIES  WITHDRAW—If the abstract cannot be accepted in the mode I have indicated, please withdraw it.  STUDENT AUTHOR—(for Section meetings only)  Please check here if the presenter is a student author.	duction shiiz duction of the s	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Potrick Larse To Department Section 1816; City/St/ZIP Barking 1816; Country USA Home Phone Lise 2 879-5032  If the speaker will be unavailable at these numbers to be Office Phone Home Phone  MAIL ORIGINAL + 8 COPIES TO: INVITED-SYMPOSIUM ABSTRACTS: Send do on invitation.	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR □ Phone □ ADDRESS—PLEASE TYPE: □ 25 11.0 25 □ 25 11
th all proof the state of the s	Recoretical calculations and new radiocarbon evidence of the production rates of Ni robably 10-20% too high. The production rates reported in a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated specifically as either "poster" or "oral.")  OBAL—Verbal presentation before a seated audience.  POSTER—Graphic display on poster boards supplemented by speaker comments.  EITHER—Either mode is acceptable.  CHECK IF THIS APPLIES  WITHDRAW—If the abstract cannot be accepted in the mode I have indicated, please withdraw it.  STUDENT AUTHOR—(for Section meetings only)  Please check here if the presenter is a student author.  % OF THIS PAPER PREVIOUSLY PRESENTED	duction shiiz duction of the s	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Petrick Larse is permitted by the second of the speaker will be unavailable at these numbers to be office Phone Home Phone Phone Phone P	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR □  Phone □  ADDRESS—PLEASE TYPE:  Ders during the 45 days following used instead.  Firectly to your convener by deadlingtems: Send to the appropriate
th all proof the state of the s	SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Theme Session Number:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated specifically as either "poster" or "oral.")  OBAL—Verbal presentation before a seated audience.  POSTER—Graphic display on poster boards supplemented by speaker comments.  EITHER—Either mode is acceptable.  CHECK IF THIS APPLIES  WITHDRAW—If the abstract cannot be accepted in the mode I have indicated, please withdraw it.  STUDENT AUTHOR—(for Section meetings only)  Please check here if the presenter is a student author.  WHERE? NE SA Cannot Water Production rates of Ni	duction shiiz duction of the s	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Potrick Larse City/St/ZIP Barker Side City/St/ZIP Barker Side City/St/ZIP Barker Side City/St/ZIP Barker Side Side Side Side Side Side Side Side	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR □ Phone □
th all proof the state of the s	Recoretical calculations and new radiocarbon evidence of the production rates of Ni robably 10-20% too high. The production rates reported in a partial data set. Production rates based on the complete near future.  SELECT ONE FORMAT  INVITED FOR SYMPOSIUM NUMBER:  (first five words of Symposium title)  VOLUNTEERED FOR DISCIPLINE SESSION  VOLUNTEERED FOR THEME SESSION NUMBER:  (first five words of Theme Session title)  SELECT ONE MODE  (Be aware that some theme sessions may have been designated specifically as either "poster" or "oral.")  OBAL—Verbal presentation before a seated audience.  POSTER—Graphic display on poster boards supplemented by speaker comments.  EITHER—Either mode is acceptable.  CHECK IF THIS APPLIES  WITHDRAW—If the abstract cannot be accepted in the mode I have indicated, please withdraw it.  STUDENT AUTHOR—(for Section meetings only)  Please check here if the presenter is a student author.  % OF THIS PAPER PREVIOUSLY PRESENTED	duction shiiz duction of the s	on rates, coupled with the Sierra Nevada (Clark et umi et al. (1989) are preliminary estimates based data set will be published in  CHECK IF YOU ARE WILLING TO E Your Name Office Phone Home Fax E-mail  SPEAKER'S IDENTITY AND MAILING Name Petrick Larse is permitted by the second of the speaker will be unavailable at these numbers to be office Phone Home Phone Phone Phone P	□ 23 planetary geology □ 24 Precambrian geology □ 25 Quaternary geology/ geomorphology □ 26 remote sensing □ 27 sediments, carbonates □ 28 sediments, clastic □ 29 stratigraphy □ 30 structural geology □ 31 tectonics □ 32 volcanology  BE A SESSION CHAIR □ Phone □