Form PTO-1595 (Rev. 09/04) OMB No. 0551-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office		
RECORDATION FORM COVER SHEET PATENTS ONLY			
To the Director of the U.S. Patent and Trademark Office: Pleas	se record the attached documents or the new address(es) below.		
1. Name of conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(ies)		
Jozef A. W. M. Corver Paulus C. J. M. Hendrickx	Name; The BOC Group, Inc.		
Ad van den Eishout Paul Stewart	Internal Address:		
Execution Date(s) 8-30-04, 8-30-04, 8-9-04, 8-4-04 Additional name(s) of conveying party(ies) attached? Yes No	Street Address: 575 Mountain Ave.		
3. Nature of conveyance:			
Assignment Merger	City: Murray Hill, New Providence		
Security Agreement Change of Name	State: NJ		
Government Interest Assignment	Country: usa Zip: 07974		
Executive Order 9424, Confirmatory License Other			
4. Application or patent number(s): Additional name(s) & address(es) attached? Yes ✓ No This document is being filed together with a new application.			
A. Patent Application No.(s) 10/836,786 Additional numbers att	B. Patent No.(s) ached? ☐Yes ☑No		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:		
Name: Ira Lee Zebrak	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00		
Internal Address: The BOC Group, Inc.	Authorized to be charged by credit card		
Legal Services-Intellectual Property	Authorized to be charged to deposit account		
Street Address: 575 Mountain Ave.	Enclosed		
	None required (government interest not affecting title)		
City: Murray Hill	8. Payment Information		
State: NJ Zip: 07974	a. Credit Card Last 4 Numbers Expiration Date		
Phone Number: 908-771-6469	b. Deposit Account Number 02-2865		
Fax Number: 908-771-6159	Authorized User Name Ira Lee Zebrak		
Email Address: <u>Ira.Zebrak@boe.com</u>	Authorized Oser Name Ira Lee Zebrak		
9. Signature:	Feb 3, 2005		
Ira Lee Zebrak Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:		

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or malled to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

FEB-03-2005 15:02 BOC PATENT MURRAY HILL

908 771 6159 P.03/18

PATENT ASSIGNMENT

Application No. 10/836,786

Additional name(s) of conveying party(ies) - attachment to Recordation Form Cover Sheet

1. Name of conveying party(ies)/Execution Date(s):

(Resonance Instruments Ltd, James M. McKendry, Malcolm Buckingham, Graham Craigie)

Execution Date(s) 1-28-05, 1-28-05, 1-28-05

Dkt. No. M02A420 Page 1 of 3

<u>ASSIGNMENT</u>

WHEREAS, I/We, Jozef A.W.M. Corver, a citizen of The Netherlands; Paulus C.J.M. Hendrickx, a citizen of The Netherlands; Paul Stewart, a citizen of the United Kingdom; and Ad van den Elshout, a citizen of The Netherlands, residing at Weverstraat 4, 5671 BC, Nuenen, The Netherlands; Cor van der Bokstraat 22, 5111VC Baarle-Nassau, The Netherlands; 651 Lake Road, Youngstown, New York 14174-1038; and Lage Ham 124, 5102AE, Dongen, The Netherlands, have invented certain new and useful improvements in NMR MEASURING SYSTEM for which I/We have made application for Letters Patent of the United States, which application may be identified in the United States Patent and Trademark Office as Serial No. 10/836,786, filed April 30, 2004; which application claims priority from US Provisional Patent Application 60/471,231, filed May 16, 2003; and,

WHEREAS, The BOC Group, Inc., a Delaware Corporation having a place of business at 575 Mountain Avenue, Murray Hill, New Providence, New Jersey 07974, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the said Jozef A.W.M. Corver, Paulus C.J.M. Hendrickx, Paul Stewart, and Ad van den Elshout have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said The BOC Group, Inc., its successors, legal representatives and assigns, the entire right, title and interest in, to and under the invention, the said improvements, and the said application. all applications derived therefrom and all continuing prosecution applications, conversions, divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent or Inventor's Certificates which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent or Inventor's Certificates which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said The BOC Group, Inc., its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I/WE HEREBY covenant that I/We have full right to convey the entire interest herein assigned, and that I/WE have not executed, and will not execute, any agreement in conflict herewith.

Dkt. No. M02A420 Page 2 of 3

AND I/WE HEREBY further covenant and agree that I/We will communicate to the said The BOC Group, Inc., its successors, legal representatives and assigns, any facts known to me/us respecting said invention and said improvements, and testify in any legal proceeding, sign all lawful papers, execute all continuing prosecution, divisional, continuing, reexamination and reissue applications, make all rightful oaths, and generally do everything possible to aid the said The BOC Group, Inc., its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said inventions and improvements in all countries.

Assignor

Assignor

Assignor

At: Dongen

30 august
2004

Padlus C.J.M. Hendrickx

At: Dongen

Dkt. No. M02A420 Page 3 of 3

	ONY WHEREOF, I hereul , 2004.	nto set my hand and seal this	day
			L.S.
State of		Paul Stewart	
County of	ss.:		
me known and kno	State and County afore wn to me to be the perso	, 2004, before me said, personally appeared Paul Ste on of that name, who signed and se the same to be his free act and de	wart, to
		Notary Public	

Dkt. No. M02A420 Page 1 of 3

ASSIGNMENT

WHEREAS, I/We, Jozef A.W.M. Corver, a citizen of The Netherlands; Paulus C.J.M. Hendrickx, a citizen of The Netherlands; Paul Stewart, a citizen of the United Kingdom; and Ad van den Elshout, a citizen of The Netherlands, residing at Weverstraat 4, 5671 BC, Nuenen, The Netherlands; Cor van der Bokstraat 22, 5111VC Baarle-Nassau, The Netherlands; 651 Lake Road, Youngstown, New York 14174-1038; and Lage Ham 124, 5102AE, Dongen, The Netherlands, have invented certain new and useful improvements in NMR MEASURING SYSTEM for which I/We have made application for Letters Patent of the United States, which application may be identified in the United States Patent and Trademark Office as Serial No. 10/836,786, filed April 30, 2004; which application claims priority from US Provisional Patent Application 60/471,231, filed May 16, 2003; and,

WHEREAS, The BOC Group, Inc., a Delaware Corporation having a place of business at 575 Mountain Avenue, Murray Hill, New Providence, New Jersey 07974, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the said Jozef A.W.M. Corver, Paulus C.J.M. Hendrickx, Paul Stewart, and Ad van den Elshout have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said The BOC Group, Inc., its successors, legal representatives and assigns, the entire right, title and interest in, to and under the invention, the said improvements, and the said application. all applications derived therefrom and all continuing prosecution applications, conversions, divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent or Inventor's Certificates which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent or Inventor's Certificates which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said The BOC Group, Inc., its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I/WE HEREBY covenant that I/We have full right to convey the entire interest herein assigned, and that I/WE have not executed, and will not execute, any agreement in conflict herewith.

Dkt. No. M02A420 Page 2 of 3

AND I/WE HEREBY further covenant and agree that I/We will communicate to the said The BOC Group, Inc., its successors, legal representatives and assigns, any facts known to me/us respecting said invention and said improvements, and testify in any legal proceeding, sign all lawful papers, execute all continuing prosecution, divisional, continuing, reexamination and reissue applications, make all rightful oaths, and generally do everything possible to aid the said The BOC Group, Inc., its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said inventions and improvements in all countries.

<u>Date</u>	<u>Assignor</u>	Witnessed By:
	Jozef A.W.M. Corver	At:
	Paulus C.J.M. Hendrickx	At:
	Ad van den Elshout	At:

Dkt. No. M02A420 Page 3 of 3

IN TESTIMONY WHEREOF, I hereunto of, 2004.	set my hand and seal this 4# day
01 <u>770 4 037</u> , 2004.	1 The
	_ raul Mess L.S.
State of New York	Paul Stewart
State of New York ss.:	
On this 4th day of august	, 2004, before me, a
Notary Public in the State and County aforesaid me known and known to me to be the person of foregoing instrument, and he acknowledged the	f that name, who signed and sealed the

CINDY L. CHASE Notary Public, State of New York

Qualified in Erje County Commission Expires 4-16-06

ASSIGNMENT

WHEREAS Resonance Instruments Ltd, 31a Avenue One, Witney, Oxfordshire OX28 4XZ, United Kingdom (hereafter called "ASSIGNOR") is the assignee by assignment of the interest of James M. McKendry to the invention entitled NMR Measuring System and such other rights granted therein, as follows:

WHEREAS The BOC Group, Inc., a corporation of the State of Delaware, having an office at 575 Mountain Avenue, Murray Hill, New Jersey 07974 (hereafter called "ASSIGNEE"), is desirous of acquiring the entire right, title and interest granted by James M. McKendry to the ASSIGNOR to the invention;

NOW THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) or the equivalent thereof to us in hand paid by the said ASSIGNEE, and other good and valuable consideration, the receipt of which is hereby acknowledged. we, the said ASSIGNOR, have sold, assigned, transferred and set over to the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest of the said ASSIGNOR in, to and under the said invention and any improvements and all applications for Letters Patent or Inventor's Certificates including, but not limited to, U.S. Patent Application No. 10/836,786 filed April 30, 2004, and all patent applications derived therefrom and all continuing prosecution applications, conversions, divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent or Inventor's Certificates which may hereafter be filed for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and said interest being the entire rights of the said ASSIGNOR in the invention, to be held and enjoyed by the said ASSIGNEE, for its own use and enjoyment and the use and enjoyment of its successors, legal representatives and assigns, to the end of the term for which any Patent shall be granted or reissued, as fully and entirely as the same would have been held and enjoyed by it if this assignment and sale had not been made.

Signed this	2×11	day of _	JANUARY	 , 2005.
				_

By: Moral

[Corp. Seal]

Witness:

ASSIGNMENT

WHEREAS Resonance Instruments Ltd, 31a Avenue One, Witney, Oxfordshire OX28 4XZ, United Kingdom (hereafter called "ASSIGNOR") is the assignee by assignment of the interest of Malcolm Buckingham to the invention entitled NMR Measuring System and such other rights granted therein, as follows:

WHEREAS The BOC Group, Inc., a corporation of the State of Delaware, having an office at 575 Mountain Avenue, Murray Hill, New Jersey 07974 (hereafter called "ASSIGNEE"), is desirous of acquiring the entire right, title and interest granted by Malcolm Buckingham to the ASSIGNOR to the invention;

NOW THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) or the equivalent thereof to us in hand paid by the said ASSIGNEE, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNOR, have sold, assigned, transferred and set over to the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest of the said ASSIGNOR in, to and under the said invention and any improvements and all applications for Letters Patent or Inventor's Certificates including, but not limited to, U.S. Patent Application No. 10/836,786 filed April 30, 2004, and all patent applications derived therefrom and all continuing prosecution applications, conversions, divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent or Inventor's Certificates which may hereafter be filed for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and said interest being the entire rights of the said ASSIGNOR in the invention, to be held and enjoyed by the said ASSIGNEE, for its own use and enjoyment and the use and enjoyment of its successors, legal representatives and assigns, to the end of the term for which any Patent shall be granted or reissued, as fully and entirely as the same would have been held and enjoyed by it if this assignment and sale had not been made.

Signed this 28 M day of JANUARY, 2005.

BV MXLLS S.A.

[Corp. Seal]

Witness:

ASSIGNMENT

WHEREAS Resonance Instruments Ltd, 31a Avenue One, Witney, Oxfordshire OX28 4XZ, United Kingdom (hereafter called "ASSIGNOR") is the assignee by assignment of the interest of Graham Craigie to the invention entitled NMR Measuring System and such other rights granted therein, as follows:

WHEREAS The BOC Group, Inc., a corporation of the State of Delaware, having an office at 575 Mountain Avenue, Murray Hill, New Jersey 07974 (hereafter called "ASSIGNEE"), is desirous of acquiring the entire right, title and interest granted by Graham Craigie to the ASSIGNOR to the invention;

NOW THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) or the equivalent thereof to us in hand paid by the said ASSIGNEE, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNOR, have sold, assigned, transferred and set over to the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest of the said ASSIGNOR in, to and under the said invention and any improvements and all applications for Letters Patent or Inventor's Certificates including, but not limited to, U.S. Patent Application No. 10/836,786 filed April 30, 2004, and all patent applications derived therefrom and all continuing prosecution applications, conversions, divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent or Inventor's Certificates which may hereafter be filed for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and said interest being the entire rights of the said ASSIGNOR in the invention, to be held and enjoyed by the said ASSIGNEE, for its own use and enjoyment and the use and enjoyment of its successors, legal representatives and assigns, to the end of the term for which any Patent shall be granted or reissued, as fully and entirely as the same would have been held and enjoyed by it if this assignment and sale had not been made.

Signed this	<u>28 M</u>	day of _	JANUAR-	, 2005.
				Λ

By: Mafused

[Corp. Seal]

Witness:

Page 1 of 2

ASSIGNMENT

WHEREAS, I/We, James M. McKendry, a citizen of/ citizens of the United Kingdom, residing at Sunset View, The Ridings, Headington, Oxford OX3 8TB, United Kingdom, have invented certain new and useful improvements in NMR MEASURING SYSTEM for which I/We have made application for Letters Patent of the United States, which application may be identified in the United States Patent and Trademark Office as Serial No. 10/836,786, filed April 30, 2004; which application claims priority from US Provisional Patent Application 60/471,231, filed May 16, 2003; and,

WHEREAS, Resonance Instruments Ltd, having a place of business at 31a Avenue One, Witney, Oxfordshire OX28 4XZ, United Kingdom, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the said James M. McKendry have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Resonance Instruments Ltd, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the invention, the said improvements, and the said application, all applications derived therefrom and all continuing prosecution applications, conversions, divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent or Inventor's Certificates which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent or Inventor's Certificates which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said Resonance Instruments Ltd, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I/WE HEREBY covenant that I/We have full right to convey the entire interest herein assigned, and that I/WE have not executed, and will not execute, any agreement in conflict herewith.

AND I/WE HEREBY further covenant and agree that I/We will communicate to the said Resonance Instruments Ltd, its successors, legal representatives and assigns, any facts known to me/us respecting said invention and said improvements,

Page 2 of 2

and testify in any legal proceeding, sign all lawful papers, execute all continuing prosecution, divisional, continuing, reexamination and reissue applications, make all rightful oaths, and generally do everything possible to aid the said **Resonance Instruments Ltd**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said inventions and improvements in all countries.

Date

Assignor

Witnessed By:

25/61/2005

James M. McKendry

At: Oxford

Page 1 of 2

<u>ASSIGNMENT</u>

WHEREAS, I/We, Malcolm Buckingham, a citizen of/ citizens of the United Kingdom, residing at 21 Bury Mead, Stanton Harcourt, Witney, Oxfordshire OX29 5SD, United Kingdom, have invented certain new and useful improvements in NMR MEASURING SYSTEM for which I/We have made application for Letters Patent of the United States, which application may be identified in the United States Patent and Trademark Office as Serial No. 10/836,786, filed April 30, 2004; which application claims priority from US Provisional Patent Application 60/471,231, filed May 16, 2003; and,

WHEREAS, Resonance Instruments Ltd, having a place of business at 31a Avenue One, Witney, Oxfordshire OX28 4XZ, United Kingdom, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the said Malcolm Buckingham have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Resonance Instruments Ltd, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the invention, the said improvements, and the said application, all applications derived therefrom and all continuing prosecution applications, conversions, divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent or Inventor's Certificates which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent or Inventor's Certificates which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said Resonance Instruments Ltd, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I/WE HEREBY covenant that I/We have full right to convey the entire interest herein assigned, and that I/WE have not executed, and will not execute, any agreement in conflict herewith.

AND I/WE HEREBY further covenant and agree that I/We will communicate to the said Resonance Instruments Ltd, its successors, legal representatives and assigns, any facts known to me/us respecting said invention and said improvements,

Page 2 of 2

and testify in any legal proceeding, sign all lawful papers, execute all continuing prosecution, divisional, continuing, reexamination and reissue applications, make all rightful oaths, and generally do everything possible to aid the said **Resonance Instruments Ltd**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said inventions and improvements in all countries.

<u>Date</u>	Assignor	Witnessed By:
28.1.05	Malcolm Buckingham	At: OXFORD.

Page 1 of 2

<u>ASSIGNMENT</u>

WHEREAS, I/We, Graham Craigie, a citizen of/ citizens of the United Kingdom, residing at 5 The Avenue, Wheatley, Oxford OX33 1YL, United Kingdom, have invented certain new and useful improvements in NMR MEASURING SYSTEM for which I/We have made application for Letters Patent of the United States, which application may be identified in the United States Patent and Trademark Office as Serial No. 10/836,786, filed April 30, 2004; which application claims priority from US Provisional Patent Application 60/471,231, filed May 16, 2003; and,

WHEREAS, Resonance Instruments Ltd, having a place of business at 31a Avenue One, Witney, Oxfordshire OX28 4XZ, United Kingdom, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/WE, the said Graham Craigie have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Resonance Instruments Ltd, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the invention, the said improvements, and the said application, all applications derived therefrom and all continuing prosecution applications, conversions, divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent or Inventor's Certificates which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent or Inventor's Certificates which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said Resonance Instruments Ltd, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I/WE HEREBY covenant that I/We have full right to convey the entire interest herein assigned, and that I/WE have not executed, and will not execute, any agreement in conflict herewith.

AND I/WE HEREBY further covenant and agree that I/We will communicate to the said Resonance Instruments Ltd, its successors, legal representatives and assigns, any facts known to me/us respecting said invention and said improvements,

Page 2 of 2

and testify in any legal proceeding, sign all lawful papers, execute all continuing prosecution, divisional, continuing, reexamination and reissue applications, make all rightful oaths, and generally do everything possible to aid the said **Resonance Instruments Ltd**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said inventions and improvements in all countries.

<u>Date</u>	Assignor	Witnessed By:
28 Jan 05	Graham Craigie	BRANES At: OFFORD