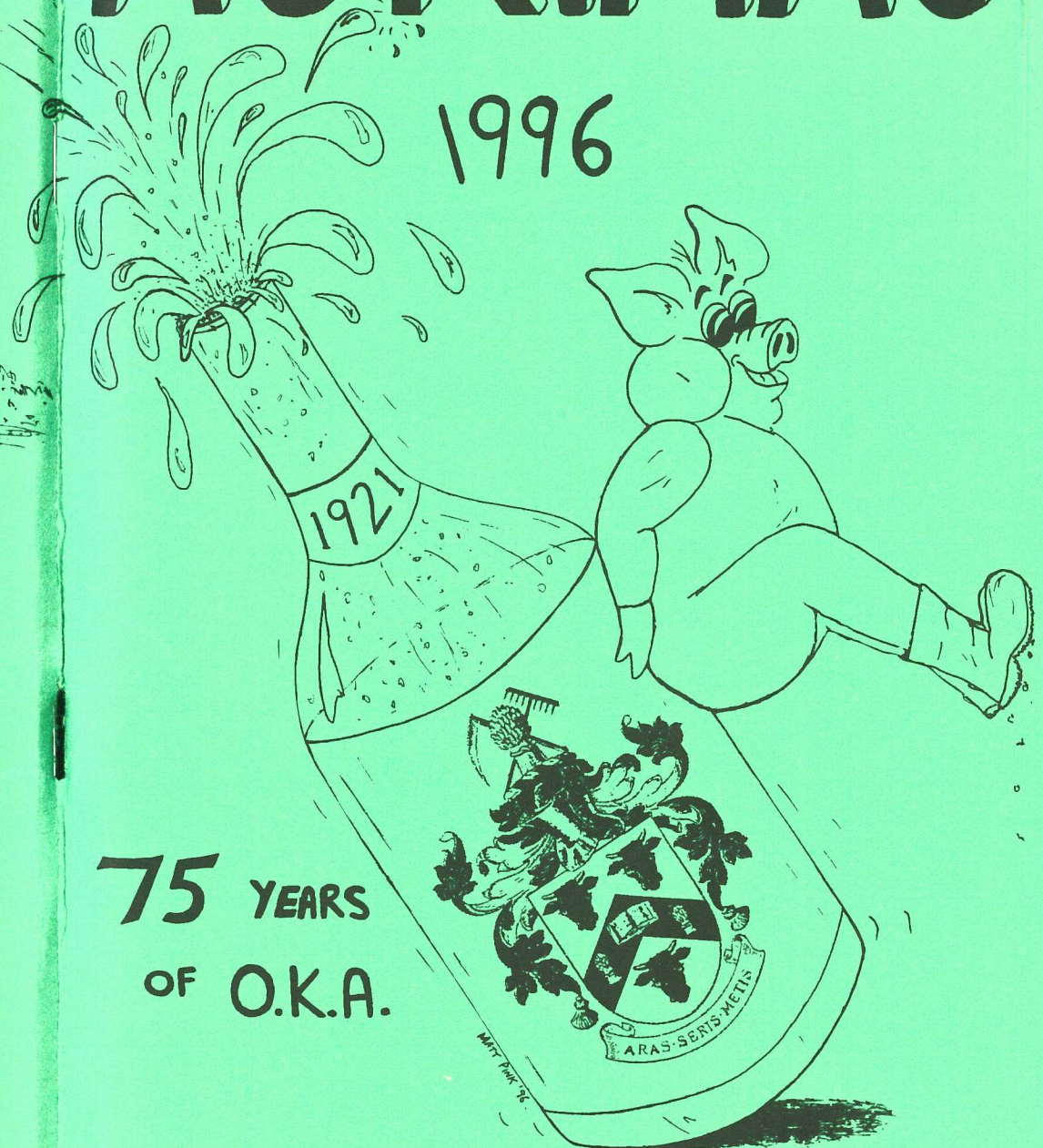


# AGRIMAG

1996

75 YEARS  
OF O.K.A.







## *AGRIMAG 1996*

*JOURNAL OF PAST & PRESENT STUDENTS*

*The University of Nottingham*

*Faculty of Agricultural & Food Sciences*



## *AGRIMAG 1996 PRODUCTION*

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## DEAN'S REPORT

So we come to the end of the 101st year of the Faculty's life. As I write, there is a giant crane outside my office window, towering over the South Lab, raising the steel on the new Food Science building. Apart from the occasional complaints of academic staff lecturing in rooms immediately adjacent to the building site, and the fact that the new building is going up on the site usually used for the marquee during the Summer Ball, the building site has had little detrimental affect on the process of learning, teaching and research. We are so much looking forward to seeing it completed at about this time next year that the present inconvenience is viewed as minor. The new building will be about the size of the South Laboratory, and will house the Food Science Group from the Old Dairy, and the Food Microbiologists from the main building, thereby freeing up valuable space in these areas.

The next challenge is to arrange for the refurbishment of the Old Dairy and, at present, plans are being drawn up to convert this into Junior Common Room facilities, thereby more than doubling the space available to students for this purpose. We anticipate the new building will house a fast-food outlet, the bank, bookshop and student shop, in improved surroundings, as well as quiet rooms for undergraduate and postgraduate students. Space vacated in the main building will be used for seminar rooms, and for a library extension to provide language teaching facilities and other resources.

Congratulations this year go to a number of staff members who have been promoted during the last 12 months: Phil Garnsworthy and Andy Salter to Senior Lecturer and Colin Black to Reader. Their promotions reflect a long and successful contribution to the work of the Faculty at all levels and many students, past and present, will be grateful to them for their assistance and approachability.

There have been a number of notable prize winners during the year. Professor John Blanshard won the 1996 Marcel Loncin Research Prize of the US Institute of Food Technologies for his work on the structures of large molecules in processed foods and, for the second year in succession, a postgraduate student in ABFS was awarded The President's Prize of the British Society of Animal Science (this year's awardee, Henry Greathead). Other prize winners are given elsewhere in the magazine.

A notable event during the last 12 months has been the preparation and submission of the Research Assessment Exercise documentation to the Higher Education Funding Council for England. As before, we have submitted under two separate headings (Food Science, and Agriculture) and my thanks, and that of all the staff, goes to Professors Gordon Stewart and Keith Scott for bearing the brunt of the preparation of the statistics required for these submissions. The outcomes are of very great concern to us as they will affect the budget pretty dramatically. Currently we are preparing for another assessment of our productivity, the Teaching Quality Audit, which will take place in March next year. This will involve a visit, for a week, of a team of external auditors who will examine our procedures for ensuring that we are teaching to a high standard. Unfortunately, the success of our alumni will not be the only statistic required! Finally, during the next two months we will be saying goodbye to Will Haresign, who is to take up the post of Professor of Agriculture at the new Welsh Institute of Rural Studies within the University College of Wales, Aberystwyth, in August.

Will has contributed enormously to the Faculty during the 28 years he has been here as man and boy (nearly one third of the Faculty's lifespan!). Many students will have much to thank him for and the staff will miss his timely and forceful contributions at Faculty Board. We all wish him the very best for the future.

Professor A P F Flint

## WARDEN'S REPORT

Bonington Hall has seen a number of changes in its personnel during the 1995/1996 Academic Year. Sam Keys-Toyer has joined us as Assistant Hall Manager alongside another relative newcomer, Kate Lockwood, who has already made her presence felt. Sam replaces Maria Guest, who is now running her own catering business. Sam and Kate are currently being assisted by Michelle Pegg, who is on a six month student placement from Blackpool and Fylde College. A face that will be familiar to recent graduates is that of our new Bar Manager, Tim Bunting. Tim stepped into the breach, when we needed a replacement. He is intending to combine his bar work with training in hotel management. Tim knows SB culture as well as most and his efforts behind the bar are widely appreciated. And despite the increased financial pressures on the Hall Doug Osman keeps on smiling. A major change among the tutors is the departure of Simon MacWilliam. Universally known as Mac he was viewed almost as a permanent fixture. Last heard of he was finishing writing up his thesis before going off to pastures new. Bon Voyage Mac! At the end of the Session the Hall, but not the Campus, will also be saying goodbye to Mac's replacement as Senior Tutor, Debbie Sparkes. She will be leaving Normanton House (Hostel 2 for pre 1991 graduates) in the tender loving care of our new Senior Tutor, Paula Gibson. Debbie, however will be staying on at SB, having recently been appointed to an academic post.

Despite the financial pressures the University is under, we expect to finalise soon the plans for the refurbishment of the Old Dairy. Hopefully the renovation will be completed by October, 1997. It is intended to use most of the space in that building for student amenities. Decent Guild offices, a fast food outlet, a quiet room, a music room and a new Post-Graduate common room are among the facilities we are planning to accommodate there. We intend to rehouse the bank and the shops there too and space will be earmarked for a hairdressers. For the sake of their business let us hope that the short back and sides styles of the nineties don't give way to the pony tails of the sixties!

The Hall is also doing its sums to see what can be spared towards the refurbishment of Ratcliffe House during the Summer recess. It is intended to equip it with two additional kitchens, refurbished bathrooms and a disabled students' suite. Added to the already existing computer room in Ratcliffe House these improvements will go some way towards achieving a greater parity in the standard of student accommodation throughout the Hall. We hope to spruce up Eviton House too.

Debates and Lectures did the Hall proud by putting on a full and varied programme of speakers through the year. Their topics included the work of the pathologist, Antarctic exploration, the penal system and what might best be described as a thunder and lightning show. In the last mentioned the speaker let the chemicals do the talking.

Dr S R Thompstone



## TEACHING QUALITY ASSESSMENT

Many of you will have read about assessment of teaching quality in Higher Education Institutions in the UK. The Faculty of Agricultural and Food Sciences at SB is to be inspected by external auditors from the Higher Education Funding Council for England in March 1997.

We have all been feverishly preparing for this event for the last couple of years and are hoping that the result will be as good as that which we received from Research Assessment (the results of the next research rating will be known by the end of this year).

One category which is of course important to the teaching assessment is the opinion of graduates in terms of the suitability of the courses for career paths.

The Faculty is contacting its graduates with a view to soliciting opinions on this and it seems appropriate to enlist the help of members of OKA in this process.

We would accordingly be grateful to receive any comments that you thought appropriate. In particular what we are looking for are views on:

1. quality of the course you took.
2. suitability for the career pattern that you have followed.
3. brief description of your career pattern to date (this will also be useful for the 'News of Former Students' section of AGRIMAG if you agree) including responsibilities.

I have already done this for the 'European' degree course, which has been operating for 6 years, but we are now expanding this to cover all other courses.

We are not looking for lengthy documentation, just a few comments.

Perhaps we should mention that we are looking to those people who graduated in the last 10 years. The reason for this is that we have undertaken major changes to course structure in the last few years and people who left more than 10 years ago might not be familiar with what we do now.

Very many thanks for your help – the responses we receive will be an invaluable addition to the Faculty submission.

**Julian Wiseman**

## RETIREMENTS & MOVING ON

### WILL HARESIGN

On 1 August, Will takes up his new appointment as Professor of Agriculture at Aberystwyth. The Chair falls within the newly created Welsh Institute of Rural Studies and Will is to be Director of Research. These are exciting times in Aberystwyth – a national venue for Will to develop his research with sheep.

It is 28 years since Will left Spalding Grammar and the family farm in the flat lands of Lincolnshire to become an undergraduate at Sutton Bonington. The "Triad" combination he selected (Animal Production, Animal Physiology and Genetics) was the ideal launching pad for the career that was to follow. Like so many of our undergraduates, Will was attracted by Eric Lamming's research in reproductive physiology. Eric's research group was no place for the faint-hearted, but Will more than held his own and was awarded his PhD on "Control of Ovarian Function in the Ewe". So, Will joins a distinguished group of former graduates, post-graduates and fellows from Eric's group that take the leading role in so many of the centres of excellence in Animal Science.

After his PhD, Will was appointed to a lectureship in Animal Production to join Des Cole and Harry Swan – the lucky appointee having to cope with the chores that the big men were ready to relinquish and, at the same time, survive the change of "leaving science". Again, Will prospered, and his conscientious approach to teaching, to the welfare of the Department, and the Faculty was recognised with promotion to Senior Lecturer in 1988. Especially noteworthy was Will's sterling contribution on Course Structure Committee. His background and training had left him with a very clear idea of how our course should and should not develop and he joined, and won, many battles where his formidable advocacy held sway, sometimes against the wishes of much more senior colleagues. When we faced the necessity to modularise our courses by 1992, Will was the natural "choice" to shoulder the major burden of striving to preserve the best features of our previous course while allowing increasing freedom of choice. Throughout, Will managed to maintain the momentum of his research programme on the physiological control of seasonal breeding in sheep that has embraced studies on artificial insemination and embryo transfer. His international reputation was recognised in 1993 by the award of the prestigious Sir John Hammond Memorial Prize from the British Society of Animal Production and, in 1994, by promotion to Readership. One of Will's most recent interests has been the improvement of carcass quality of hill breeds – a ready fit with the move to mid-Wales. To the new job, Will brings a wealth of knowledge and experience of the industry – part of it gained through his long association, first as Secretary, then as Chairman of the organising committee of the University of Nottingham Feed Manufacturers' Conference.

Will has many interests other than the academic. He is a keen sportsman – a fiery fast bowler and a formidable hockey player. He has also been particularly active in the affairs of OKA and is the current Chairman. As befits a son of the soil and an erstwhile Captain of the Ploughing Club, he is a well-known allotment holder in the Shepshed community. Not everyone will know that he is Chair of the Leicestershire Parakeet Society – enquiries amongst those that are "in the know" reveal that there is by no means unanimity as to his prowess on the breeding side with his feathered friends. It is a surprise that the imminence



of his leaving has been marked by the disappearance of his moustache, an event that seems more to do with the "goings on" on the Animal Production Tour than a conscious desire for a new image.

To Will, we say thankyou for your sterling contribution at Sutton Bonington, and to Will, Avril and family we send our very best wishes for the move to Wales.

**Professor R K Scott**

### **JOSE NEWCOMBE**

Jose first joined the Faculty in 1975 as a secretary in Applied Biochemistry and Nutrition (as it was then called), and then after 4 years transferred to the Animal Production Section of the Department of Agriculture and Horticulture. In the last 6 years she has also supported the annual Feed Manufacturers' Conference and the OKA September Re-unions.

Jose was appointed at a time when electric typewriters were in their infancy, and text processors had not yet been invented. How times have changed! It is difficult to imagine just how we used to cope when the work we sent in for typing had to be the final version. It is very much to the credit of Jose, and others within her generation, that she was prepared to embrace all of this new technology. It was not always made easy by staff who seized upon the opportunities to demand yet one more re-drafting of documents before submission. Indeed, it would be fair to say that the advent of text processing actually increased the workload of those secretaries unfortunate enough to work with such academics. There is a rumour that she cannot any longer imagine life without a computer and that she has invested in one of her own!

Jose will be remembered fondly by a whole succession of postgraduate students within the Animal Production Section. She was the first person that new postgraduates came into contact with and from that moment onwards her generosity and kindness to all of them, no matter their colour or creed, gave the Section a welcoming feel. To the many overseas postgraduate students it was especially important to have someone so willing to 'mother' them during their early days in a strange new world. It did not end there though. All can testify to her prowess in the kitchen (she supplied birthday cakes for coffee time, held international dinners and barbecues at home), provided a bed for those in need and joined in all of the social functions, including the postgraduate darts team. The only time that she failed to look after one of her underlings was after the Conference Dinner of the 1996 Feed Manufacturers' Conference - after a very enjoyable session of malt whisky tasting one particular postgraduate student received a bumper black eye, and to this day neither Lyn herself nor Jose can recall how it happened! These same postgraduate students, once out in the big wide world, also know that one quick phone-call is all that is required to secure B & B in a warm and friendly atmosphere when they are travelling the world or 'just passing through'.

The Department will not be the same without Jose, and we all wish her and Dave a long and happy retirement.

**Dr W Haresign**

### **MARION WILTON**

Christmas 1995 saw the retirement of Marion Wilton from the post of part-time secretary in the Department of Agriculture and Horticulture. Marion spent most of her 25+ years in A&H looking after the secretarial needs of the Horticultural staff (past and present), husband Brian and a stray Agronomist (Jim McLaren - are you there?) before moving for her last year into a newly-created postgraduate/safety office, catering for the whole department. Marion will be remembered by many in OKA for her major role in organising UCCA visits to A&H - she not only provided refreshments, she also ensured that tours and interviews happened on time! Old postgrads and staff will remember her for her most efficient organisation of a series of highly successful Easter Schools for Horticulture and Agronomy over the years 1975 to 1987 - without her administrative input, their academic potential could not have been realised. Her ability and confidence in French will also be recalled by many incoming and outgoing ERASMUS students who needed help in arranging additional language classes or finding accommodation.

Being a "part-timer" meant that Marion could maintain a full social and domestic life outside of SB. Her prowess at tennis (all year round) and bridge is well-known but her voluntary work for charitable organisations such as Abbeyfield House is not. Marion continues with these pursuits and is also seen at SB occasionally helping Dick Whittington with reviews for the Journal of Agricultural Science. We wish her well in her very active retirement.

**Dr J G Atherton**

### **KATE LOCKWOOD**

On 12 July Bonington Hall bid farewell to Kate Lockwood who had been Assistant Hall Manager in charge of Housekeeping since the end of March 1995. Kate left us to work for a contract catering company and is now based at TNT in Tamworth running the works canteen for the staff there. We would like to thank her most sincerely for her valuable contribution to the running of Bonington Hall during her all too brief stay with us.

We wish her well in her new endeavours and lots of luck for the future after her wedding in Huddersfield on 14th September to Mr Brian Launder.

**David Crossland**



## GUILD REPORTS

### OUTGOING GUILD CHAIRPERSON'S REPORT

James Brown has been hassling me for this report for weeks on end, however all I can say is DISCHERRYMENT!!

Well I suppose I should start by reminding everyone who they chose to lead them through the turbulent waters of twelve months (although this is roughly the gestation period of the Belgian Horse, I don't think there's any connection!) of life at S.B.

<i>Guild Chair</i>	<i>Nick Broadwith (Fat Bloke)</i>
<i>Vice Guild Chair</i>	<i>Claire McKenzie (Dark haired wench)</i>
<i>Hall President</i>	<i>Chris O'Boyle (No hair)</i>
<i>Treasurer</i>	<i>Sarah Wheldon (No comment)</i>
<i>Assistant Treasurer</i>	<i>Nic Hampshire (Not sure)</i>
<i>Secretary</i>	<i>Mark Collins (Fog horn)</i>
<i>Welfare Secretary</i>	<i>Suzie Fogg (186)</i>
<i>NUS Secretary</i>	<i>Mark Green (Bouffant)</i>
<i>Sports Secretary</i>	<i>Steve Bishop (No trousers)</i>
<i>JCR Chair</i>	<i>Ruth Jones (Giggling scouser)</i>
<i>Assistant JCR chair</i>	<i>Kitty Steuart-Fotheringham (Name too long)</i>
<i>Bar Manager</i>	<i>Nic Bailey (Reduced)</i>
<i>Shop Manager</i>	<i>Megan Gibbons (Rosemary Darmonth)</i>
<i>Assistant Shop Manager</i>	<i>Steven Oliver (Loud mouth)</i>
<i>Transport manager</i>	<i>Rich Eaton (What bald patch)</i>
<i>Women's Officer</i>	<i>Lisa Holdcroft (Wey no man)</i>
<i>Publicity Officer</i>	<i>Susanna Town (Not another poster)</i>
<i>Debates and Lectures</i>	<i>Rowan Markie (Come to bed eyes)</i>
<i>Postgraduate Rep</i>	<i>Jude Evans (Good oarswoman)</i>
<i>Erasmus Rep</i>	<i>Charlie Thomas (Short thin bloke)</i>
<i>First Year Reps</i>	<i>Sue Phipps (Chris O'Boyle apparently fancied)</i>
	<i>Heathcliff Stayte (How the devil are you then sa)</i>
<i>Second Year Rep</i>	<i>Simon Ayers (Pubic)</i>
<i>Third Year Reps</i>	<i>Paul Dennison (Would you like to come outside for some fresh air)</i>
	<i>David Stevenson (Petrified)</i>
	<i>Fiona Leigh (Nick Coxhead)</i>
<i>TEC Chairperson</i>	<i>Nick Coxhead (Fiona Leigh)</i>

It wasn't pointed out to me for some time, but I suppose I would have to agree that if nothing else, this year's guild was probably one of the largest chested on record!!!

Little did I know the day I stood up on stage apologising for the length of my speech, or the length of my trousers, what I was letting myself in for when I was elected to be guild chair. I wasn't sure as to what would happen to my degree but I suppose at this point I should quote Cornelius Vanderbilt and say 'If I had learned education I would not have had time to learn anything else!'

The first term seemed to flash by at a tremendous rate, but looking back, we were faced with some pretty daunting problems which were ongoing for some time. Thankfully the team pulled together well and we eventually got them sorted out.

The first problem we had was TEC and the state of affairs in which it was left and this called for a start-from-scratch approach to sort it out. Thankfully after a lot of hard work especially from Nic Coxhead, TEC was put back on its feet again, and later in the year managed to get a new constitution written which should help its survival in the future.

The next major problem was regarding the summer ball, as at one stage it was looking as though it wouldn't take place after we had our late licence rejected by the magistrates. With lots of help from the Warden and Tony Whitting, we managed to convince them that if a late licence was not granted, then students would be seen to be rampaging in Kegworth and Sutton Bonington causing rape and pillage into the early hours - it seemed to work!! I think a tremendous night was had by all, despite 'the sparrows', so well done to Ruth and Kitty for an excellent job.

Perhaps one of the major problems we had in the year was campus security when we had several cars stolen and into the twenties of cars broken into, including eight in one night. We didn't seem to get far with our case at S.B. so we decided to take the law into our own hands and organise a sleep out rota. The night I slept out, we nearly shopped the college milkman, and the night we did catch the group of culprits, the car phone to contact the law didn't work!! Thankfully after nasty letters, several thousand meetings, and lots of sweat and worry from a few of us we managed to double the security staff and get closed circuit TV in the car parks, so well done to those who were involved and sorry to those whose privacy is now ruined!!!!

As a guild we were fortunate to be involved with the centenary celebrations and mingle in with some of the country's top boffs. I had the privilege of sitting next to a chap called Sainsbury and probably embarrassed myself talking about how the supermarket had ruined the average household's sense of seasonality !!!! I think all the students also enjoyed the day having the use of the marquee for the summer dining-in afterwards.

In terms of routine stuff, we managed to get a few things off the ground such as the S.B. newsletter every three weeks (eventually put on the mainframe), the weekly notices about Sunday films (although we couldn't make them towards the blue end of the spectrum as requested by many), parties organised in advance and lots of other run of the mill stuff. For the first time in history we had S.B. 'groans nights' to try and actually get student feedback to take to Staff Student Consultancy. Although these weren't that well attended, feedback gained was useful, and at least gave David Crossland something to write about(!!!), with the idea maybe being useful in the future.

The interesting concept here was the fact that I was trying to get the year reps to get as much feedback as possible from the students, and then one of them gets banned from the bar. (Sorry Dennison, had to get that in!)

The first term saw its dose of hall council, where everyone seemed to complain about the lack of the ability to control the heating at all on campus, or attempted to get Doug Osman well oiled, though not necessarily in that order!



Finally the first term saw the election of the bunch to lead everyone through Week One and Karni with both elections well contested and proving very entertaining.

As the ever faithful Mr Dennison was called to other duties (milking cows), we had to find a replacement, and after a week of advertisement, the only candidate was David Stevenson (Paddy). He soon fitted in (as he does) and became a useful member of the team.

Although I say it myself, the first term of office went well with everybody working together and there was a suspiciously high attendance at guild meetings. This made it a lot easier to get a good start for the new bunch arriving in October, and I think for the first time ever, the guild met before the Week One onslaught to work with the chosen reps (Scotty, Lucy, John B & Dave B) to make the week run as smoothly as possible. Well I can't remember much of it!!!

Also, for the first time, Sue Phipps had the idea of 'adopt a first year' for Week One, which seemed to work well, mainly involving making sure that delegated first years were down 't' bar at night, and at coffee in 't' morning!

James Genever managed to do his usual and down a bottle of water, the freshers thinking it was vodka, in even more impressive style. However he refrained from swimming any lakes at M.C. this year !!

This year the chosen nightclub for Week One was MGMs and in association with the Athletic Union I managed to set up a long term contract so that S.B. has 50 tickets reserved every week. Whether they're used or not is up to everyone else, but the facility is there.

Karni came and went with its classical parties involving plenty of ale and lots of inflatable bouncy things, although in time honoured tradition, there were disagreements with Karni at M.C. resulting in a lack of rag raids, as well as few inter-Karni rep fall outs at S.B. (Jaff, John O, Emily & Helen).

Whilst all this had been going on at S.B. I had been involved quite a lot at M.C. having sat on U.N.U executive committee every week, and being held accountable at union council roughly every three weeks. The new sabbaticals started in the autumn term, and I must say they were like a breath of fresh air with Dinesh (President) having the respect of a leader, yet still involving the committee with every decision. I was quite well respected having sat on the committee a term longer than most of them, as well as hopefully bringing a little S.B. spirit, humour and common sense into the meetings. It wasn't too long before I began to see suspiciously familiar things like newsletters, both hard form and computerised being talked about at M.C., all history at S.B. !!

As a union we sat down at the beginning of the year and set out three main goals to improve in the year, namely housing, communication and social activities. Hopefully I managed to highlight where S.B. fitted into these, and how our experiences on a large scale at S.B. could help them in their aims at M.C. I think I can honestly say all of the committee took great interest in S.B. and for the first time in history executive meetings took place at S.B. as well as two union councils!!

As well as being a useful relationship to have in the future, the friendship I gained especially benefitted S.B. both during the campus security crisis and when we had problems with the Bar, as well as general help such as with the housing tour.

Leading onto the bar, one of our other major problems was when Kevin the Bar Manager decided to make a fast exit for one reason or the other. Again the guild was left high and dry with a managerless bar and a raging woman from M.C. trying to increase bar prices. A sub-committee of the guild along with Nic the guild Bar manager, the Warden and Doug O, as well as help from the U.N.U. Treasurer (just happening to be the ex bar manager of Hu Stu!) and a grilling of Simon Malloy (head of central catering) managed to eventually come up with an old familiar face in the form of Tim Bunting, and a good selection of ales and lagers. People moan about the time when beer was 80p a pint when they first came across S.B. but being an ale drinker, I am quite happy with a highly drinkable Worthingtons for 20p more on weekends, as well as a good selection of guest ales for the more affluent days, though I am not too sure about Guinness at 75p a pint during exam time!!

The Bar seemed to settle down into a good routine of parties and the home bought beers in the bar became less, along with the destructive pre-bar punch parties in the hostels.

The next notable event saw the welcoming of Heathcliff Stayte into the team as First year rep. I believe he soon developed a good working relationship with the warden, and it wasn't too long before he was bringing earthshattering comments from his fellow year group.

The OKA reunion weekend went very smoothly, and I think for the first time we managed to get the bar large enough, as well as enough tills, so that waiting was no more than two deep. As a result I think there was no shortage of cash exchanged hands, or extremely hung over bodies the next day(s). The level of damage was also pretty impressive with hardly anything being carried out, such that the cheque to be written out hardly warranted the banking charges !

The annual OAP's Christmas dinner came upon us and this year the guild decided to try and form a choir. Surprisingly we appeared to have a lot of talent musically, so that when we sang it didn't sound too bad (although the residents of Normanton house may disagree) and with the outside help of especially Anu and Heather (France) on piano, four weeks of rehearsals seemed to pay off at an evening apparently enjoyed by all.

The autumn term also saw its annual Aids Awareness party with a great effort again from Suzy and Lisa to raise over £400 so well done to all who helped.

For the first year ever I wasn't involved in any Christmas production, but neither was anyone else, so let's hope next year's lot are a budding bunch of thespians and get their acts together. We can't have people wandering about S.B. having never experienced a post drama production party; they are without doubt the best!

It wasn't long before a group of cloudy headed individuals from Christmas overindulgence, still half full with turkey sandwiches, hazel nuts and nine months behind us, steered their term of office into its final straight.



We all expected an easy time of simply dotting the i's and crossing the t's ready for whichever group of masochistic people would want to take over, but we were all mistaken. The weekly event of student visits came upon us, with myself giving a talk as to why the place is so wonderful without any payment, and groups of students enthusiastically traipsing round and chatting about the facilities of the campus, only receiving a free canteen lunch. Thanks to all who volunteered to help, even if it was at 10.55 in the Bar, I don't know what you did, but apparently the application rate has gone through the roof !!

Nic Hampshire decided to turn her fancies towards the vending machines, and after a lot of hard work and training up a group of helpers, we at last saw food in them instead of cobwebs, and a nice bit of money rolling in. Also she managed to get one of the redundant drinks machines installed in the sports hall, so well done to her.

The year reps in the meantime managed to set up a working committee with the Cripps computer staff to discuss where the students wanted to go as regards facilities and services from the department. The feedback was particularly lively and should provide a useful link in the future.

Again the term wasn't short of problems as the Loughborough branch of Nat West decided they were going to discontinue their service at S.B, but after many talks, especially from Tony Whitting, the university took the bank into their hands, and at the moment it is still opening twice a week.

On a national level, we were faced with the prospect of university entrance fees, so an open guild meeting was held achieving an amazing 2/3 student attendance to discuss the problem, and to construct letters to Gillian Shepherd. Also at the meeting it was voiced by a group of students that we should have the option of having 'with specialisation' written on degree certificates. This was voted upon and agreed, taken to the faculty, and for the first year is taking place.

Two major developments have been set in motion this year which should benefit students greatly, firstly as a result of an active Amenity Committee. They are not only planning great developments on the sporting facility front in the future, but have begun building a climbing wall in the sports hall this year.

Secondly as a result of Food Science eventually moving out of the old dairy, the building will be freed for student activities and so will replace the earlier idea of building above the existing JCR.

Hopefully the building should see the inclusion of the current facilities such as the shop, the bookshop, the bank, the guild offices etc in one area. Additionally there hopefully will be a weights and exercise room, a common room, changing rooms and lockers, a music room, a fast food outlet (equivalent to the lakeside diner at M.C) and maybe even a hairdressers !!!

I am getting rather long winded so I won't be long. Apart from lots of other tidying up jobs to bring the guild constitution up to date at last, we made a couple of changes to the positions. We renamed assistant treasurer as JCR treasurer as this fitted in nicely with Nic's duties over the year after the changes made last year, plus it sounds better! Also we did away with shop manager and assistant shop manager and introduced shop rep, mainly for legal reasons revolving around wages.

The final achievement in relation to Scot's report last year regarding Hu Stu Hall invading S.B, was the fact that S.B. guild chair led half of S.B, including the rugby team into Hu Stu after the inter hall Cup semi final. Many sociable beers were had, minimum damage was caused, and I think the peace has finally been achieved between the halls at last !!

Claire wasn't too well at election time, so I managed to see most of the new crew into office myself, and for the first time we actually had a guild changeover day which I hope was useful and not too boring.

Next year's lot look like a lively bunch with lots of talent and I am sure will have a good year, so all the best to Sarah both at S.B and up at M.C (could not mention Andy Fuller at some point!).

Thanks to all those on the Guild, members of the Faculty and Bonington Hall, colleagues at M.C, and everyone else who made my term of office one of the most challenging, degree-absorbing, rewarding and unforgettable years of my life .....

**Nick Broadwith**



## HALL PRESIDENT'S REPORT

As June heralds the end of exams and the sun finally breaks through the piercing chill of winter, I find myself trying to recall the previous twelve months. If the details are a bit hazy it is the result of nothing more than occasional bouts of inebriation. I'd like to start by thanking Brett for the encouragement he gave me in last year's report. I can assure him that I tried to drink M.C. under the table, although he was a bit of a tough act to follow.

Arriving back after the Easter holidays we were greeted with the product of a slight mental aberration from the Hall Manager, Doug Osman. Whoever told him that sea green would be a 'nice touch' in the bar should be shot. This, along with the increasing interference from Main Campus in the smooth running of OUR bar, probably contributed to the departure of Kevin the barman, in September. Nic did a sterling job in keeping everything running until the return of Tim Bunting as Kev's replacement. I think Tim will probably agree that he will gain the respect he deserves, when people who remember him as a student at S.B., have left.

On the subject of the bar it is worth mentioning that over my three years at S.B. the beer prices have increased by approximately 30%. In October a further price rise prompted questions from other Guild members and myself, but despite extensive enquiries we were unable to get a satisfactory reason for the increases. The replies we got ranged from '... oh they're still below pub prices ...' (which incidentally they aren't), to '... we are trying to unify bar prices throughout all Nottingham University bars...'. That was not any consolation to us, as it meant fewer pints for our money and also some M.C. bars are considerably cheaper than our own.

Apart from the departure of Kevin, the other notable leaver was Maria the Assistant Hall Manager, who left to set up her own catering business. We all wish her the best of luck for the future. Her departure left a hole that was to be filled by Sam Keyes-Toyer. The new ideas that he has brought to the job, along with the established team of Kate and Doug, has meant that the catering department has gone from strength to strength. I think this has been reflected in an overall improvement in the service.

This year's Summer Ball was dominated by the bouncy castle, which proved to be a tremendous success, especially with me, who stood in awe as the length of the splits in the girl's dresses grew ever larger. Thanks are due to the organisers who managed to make this year's Ball the only one in S.B.'s history to break even. The organisers of next year's event might find some difficulties when erecting the marquee, as someone has stuck a new lecture theatre and Food Science block in the very place where we usually put the tent. After the Ball I suffered an amputation, which resulting in me parting company with both my hair and eyebrows in a freak shaving incident (now thankfully regrown).

Week One went with its customary bang, for those who remembered it. However, due to poor organisation at Main campus and the lack of communication with S.B., this year's Karni was not all it could have been.

Over a number of years security, both on and off campus, has been an increasingly important issue. In terms of car theft, the problem was reaching epidemic proportions. At one Guild meeting it was decided that car sitting was going to have to start. A rota was drawn up and everyone took their turn sitting in cars through the night, armed with a mobile phone to inform the authorities. This may not have caught anyone stealing cars but it, along with numerous letters and meetings led by Nick Broadwith, served to highlight the problem. Finally, the 'top brass' were made aware of the problem and three new security guards along with security cameras and lights were installed after Christmas. Since then the problem has disappeared.

This year's Christmas dinner, for the pensioners of Sutton Bonington and Normanton village, was a big success. We managed to get loads of volunteers to help wait on tables, who did a brilliant job. We were also able to get an 'All Stars' choir of fine, talented performers who produced some of the best carol singing ever witnessed. The fact that I organised and sang in the choir does not make me in any way biased. But seriously, I would like to thank all of those who helped to make the party so enjoyable for the guests.

Over the last year I tried to improve catering facilities within the halls, so that there was a choice of whether to cook our own food or eat in the canteen. A survey of facilities carried out with the Warden and Hall Manager highlighted the problem, but no improvements have, as yet, been seen. An unexpected extra for Wymeswold house (aka Hostel 4) was the delightful water feature (including waterfall and pond) which developed suddenly after one Dining-in, when a pipe burst. Fortunately nobody panicked, that is until someone ran into the bar screaming '...Wymeswold's going down...'.

I hope the next Hall President, Emma Scott, enjoys the job as much as I did. Remember Emma if you see Dr. Thompson (the Warden) or Doug Osman in the bar, don't let them leave sober.

Good luck Scotty!!

Chris O'Boyle

## JCR CHAIRPERSON'S REPORT

I can't believe how quickly the past year has gone and I still don't know whether my job title is JCR chair or Social Sec!?!

There were stacks of successful parties but in my mind the highlights of the year were Summer Ball, the Halloween Party and the Valentines Party.



The Summer Ball ran almost as smoothly as I had planned apart from the fortune teller being too drunk and Paddy letting the bouncy castle down. The JCR account remained in credit for the first time and everyone seemed to enjoy themselves (I do apologize for the food not being as good as we had understood it would be!)

The Halloween Part was another excuse for a huge piss-up! The hours of decorating the bar proved a success and almost everyone made an effort to dress up and join in with the games (I'm still convinced its called 'Duck Apple' and not 'Apple Bobbing' though!)

The Valentine's party was a bit of a blur after the preceding punch party although I do remember Emma's stripper, having good fun and tidying up!

There are quite a lot of thank you's I need to say :

◆

To the guild members and everyone else who helped clear up after parties and especially those who helped at some stupid time in the morning after summer ball ( By the way Chris O'B you're still useless at cleaning up!!)

◆

Tim and the rest of the sober bar staff who at least pretended to understand what I was rambling on about when cleaning up after parties and a few too many pints!

◆

The week one reps ( Scotty, Lucy, Dave & Rev Burrell) and the Karni reps (John & Jaff) for giving me three weeks off in October?!?!)

◆

The Warden for fining lots of people and donating lots of money to summer ball and OKA.

◆

Mr O and the rest of the catering staff (I still wish I'd got it on tape when Mr.O said he'd never seen the refectory and his carpet cleaned up so well!!!)

◆

All the minibus drivers who had to stay sober for numerous parties.

◆

Kitty for gritting her teeth and bearing it when I ordered her around.

◆

TEC especially Nick and Chris, you're the best!

◆

The JCR committee (even Simon Ayers for what he ever did?!)

◆

Finally, Thank you to John and all my friends for helping me out whenever I needed them.

Good luck to Jaff and Locky – I have every faith in you staying compus mentis during every party so you can clear up?!?!)

Cheers, Love Roo XXXX

Ruth Jones

## BAR MANAGER'S REPORT 1996

Having now completed my term of office, I stand back in amazement at how quickly it has passed! At least I can almost go back to the heady days of my first couple of terms at S.B. and regain my own social life!

It was certainly a testing year and definitely hard work, for without doubt the position of Guild Bar Manager is one of the most important because the Bar is the central hub of S.B. life. I have no complaints about putting extra time and effort into the job (often at the expense of my own free time), because I enjoyed it so much.

So, what happened in my year? The greatest challenge of them all was to work with Kevin, the archetypal Yorkshireman (no offence to you Yorkies out there, but there is definitely a strange breed of man in Sheffield—perhaps he hasn't evolved from the Neanderthal stage yet?). This proved to be a little difficult, and a love-hate relationship developed. The first few weeks were spent in a flurry of organisation for the Summer Ball, confirming our contract with Whitbread who agreed to sponsor the event; and trying to organise the accounts, which through no-one's fault in particular, had fallen into a state of disarray. I decided to break tradition for Bar Managers and actually attend the Ball despite arguing with Kevin about the state of this health, though everything went well and I cleared up with everyone the next morning without the need for an Alka-Selzer.

The accounts were finally handed over to the Treasury, and the filling of the food machines was also a task handed over to other Guild members. The Bar Staff had enough work to contend with! In the final few weeks of the Summer term I spent my time running the Bar while everyone was having barbecues and enjoying themselves, since Kevin hardly put in an appearance due to having an apparent, and recurring, bad back. It was good to get home for a rest.



Week One went well, and the new First Year brought in plenty of willing helpers. In fact, the list of Bar Staff had never been so great and it has proved a problem to allow everyone to work fairly since. Again the queues at the Bar were horrendous and you had to buy three or four drinks to tide you over before you braved it again. I know because I was given time off by Kevin to join the festivities. Little did I know that this "act of kindness" was simply to prepare me for the trouble ahead. Shortly after Week One, Kevin informed me that he had handed in his notice and was leaving within three days (Gee thanks!). I was left to do everything on my own – looking after the Real Ales, organising staff and money, ordering the stock.....you name it! It was nearing Halloween Party, one of the year's biggest events and luckily the Guild pulled together to organise things and the evening went with a bang, quite literally for some! The five or so weeks all alone seemed like an eternity, and we waited with bated breath to see what the new Bar Manager would be like. When Tim arrived he was put into the harness straight away, and knowing him as an old and trusted friend, I left him to look after the Bar while I enjoyed what was literally a break in hospital!

The Bar certainly has come on in leaps and bounds since then. I've not become a raging alcoholic, though Tim has expressed concern on occasions. We now have the Coffee Bar up and running, which was one of my main aims, and the range of stock has increased immensely. You can even get food if you want it, and with prior arrangement have the Bar open on a Saturday afternoon. Sky TV is back, so all the sporting events can be seen in the J.C.R. You can also look forward to new opening hours at the weekend soon. The main benefit to the students at S.B. is that the Bar is at last making some sort of profit, that can be ploughed back into facilities for students, improving the time you spend at S.B. There is still much work to be done, but I'll leave that to someone else. Right now I want to get on with my Final Year and make it a memorable one!

Before I sign off, I have some people to thank. First, the Bar Staff for working hard, especially those who really helped me in my times of last-minute panic and Staff shortages; and to Wen for her guidance in my first few weeks. To Kate Lockwood, Sam Keys-Toyer, Doug Osman and Marilyn Kenny for their assistance, and to Brett for all the help he gave to me as well as his patience. Thanks also to the people who diligently cleaned up after each party – you know who you are! Finally, a big thankyou to Tim for practically saving me from death by tiredness and making me laugh even when I didn't feel like it.

Good luck for your year as S.B.M. Cath, may the force be with you!

Nic Bailey

### KARNI REPORT

The work for Karni began early in the summer holidays with Jaff urinating on the folder containing all the information from years gone by. However, the actual Karni period went very well and the financial target set by our liaison officer at main campus – THE LUSCIOUS

DEBBIE was very nearly achieved. Events this year included the legendary Keggy Krawl, the treasure hunt and, of course, Through the Pudhole in which Stan, Mark Henry, Greg, Gav and Rick did an outstanding finalé to their filming careers at S.B. – Cheers lads!!!

Karni Kickoff and Klimax were both enjoyed and made a large proportion of the profits – the major problem being that one of the Karni reps was so keen to do the clearing up that he went on a elephant-type rampage to return to the bar. The Slave Trade was again a success but as usual the money raised was not collected – something which this year's Karni reps must think about.

Finally, we would like to thank everyone who helped us with Karni – all at TEC, Kate and Emma, and of course a second mention for the luscious Debbie. We wish Nick, Stu, Rob and Giz all the luck in the world next year and know that they can do a good job.

Love

Jaff, John, Emily and Helen

### FARM REPORT JUNE 1996

#### RETROSPECTIVE

As this is the last report on the University Farm that I shall be writing before retiring in November, I thought it would not be inappropriate to reminisce a little on how things have changed in the thirty six years I have been involved in the management of the University Farm.

When I joined the University staff as an Assistant Farm Manager to John Chatterton who also lectured in Farm Machinery, we had about 500 acres. We still had some tractors running on TVO (Tractor Vaporising Oil) which had to be started on petrol, and our fleet included one of the original Fordson Majors along with a gaggle of "little grey Fergies" – the famous TE20 type. Our biggest trailers were a suitably diminutive 2t capacity to match. We had very limited bulk grain storage, much of it being handled in sacks and our grain drier was a coke fired device which flat out on nearly dry grain managed about 2t/hour – quite enough when you had to bag off the output in 2 cwt railway sacks and stack them up single handed in the middle of the night shift! Every bale of hay and straw was loaded by man and pitch fork power.

Our main dairy herd soon expanded to around 70 milkers and was batch milked in a cowshed for 40. We had a separate herd of 30 cows for trial work.



We now farm more than twice the area and keep twice the number of cows with a substantially reduced labour force. Changes in mechanisation have been a major contributor to this, some examples of which are tractors that have trebled in horse power and trailers which now carry 4-5 times the weight. This change in mechanisation has also brought about a significant improvement in working conditions. Tractors and combines that were completely open to the rain, snow and dust have sprouted air conditioned cabs. Bales are not touched by hand until they leave the barn and fertiliser that used to be manhandled on the farm in 50kg sacks three times before it reached the crop is now dealt with in 500kg bags by forklift and fore loader.

In the office the slide rule and mechanical adding machine were first replaced by the electric calculator and then the computer. The use of the latter is growing apace and apart from providing a very sophisticated calculator by way of the much used spread sheet, we use them to keep our accounts, pig and dairy records, including controlling the new milking parlour and automatically recording yield at every milking. The effect has been more than mere convenience as we are now in much better control of our business being aware of what is happening so much more quickly and responding accordingly.

A similar degree of change has occurred in the actual husbandry of crops and livestock. Cereals were drilled, given one herbicide spray in the spring and left to look after themselves until harvest. While wheat was mostly winter sown all our barley was drilled in the spring. Now spring sown cereals occur only when we have impossible conditions in the autumn and we have an armoury of herbicides, fungicides, pesticides and growth regulators to apply and the sprayer is never out of the crop for long. Beet seed was precision drilled but pelleted and monogerm seed was some way in the future as were herbicides for beet, so the crop was hand singled and hand weeded with the help of a steerage hoe to cultivate between the rows. Now we have monogerm seed and varieties and techniques which can produce much better establishment with more timeliness and a lot less man hours and backache! Typical yields in those days would be 11t/ac (27t/ha) for beet and 30cwt/ac (3.7t/ha) for wheat, half the 45-50t/ha and 7-8t/ha respectively that we expect to average on our farm today.

When our cowshed milking system was changed for a herringbone parlour, there was much debate about whether our two man parlour should have three or four units per man, greatly daring we went for four! The parlour was later modernised by the addition of automated clusters removal (ACR) enabling one man operation of 16 units. Now this parlour has been replaced by one which provides a far more spacious, light and airy working environment, has in addition to ACR, automatic milk recording and is computer controlled. Milk yields have risen from 900 gals - 4000 litres - per cow to over 7000 litres, a rate of increase that if anything is accelerating.

Another general trend, albeit one that has affected the University Farm less than most, has been the increasing specialisation, with most farms moving away from the old mixed farming system. This has been driven, not only by the increasingly expensive and complex mechanisation but also by the level of technical knowledge needed for each enterprise. Also the demands of the market for quality and lowest possible cost have pushed production into

those parts of the country, onto those soils and into the hands of those producers, most able to meet these needs. The demise of the potato crop on our farm is a prime example of this. While it had played an increasingly important role in the profitability of the University Farm and we had no problems achieving the necessary husbandry levels, we did reach a stage where we needed substantial investment in mechanisation. This really needed a bigger acreage to justify the expenditure and we had insufficient suitable land to allow further expansion. At this time we had lost our very lucrative prepack market because our soil type could not produce the skin finish the supermarkets were by now demanding. So, while we could still produce the necessary yields and enjoyed the technical challenges of growing the crop, it had to go.

In general however we have been less able to respond to this pressure for specialisation than many farms, though our poultry unit was an early casualty. Pigs and sheep only survive on our farm because of research need and our main commercial activities are combine crops and beet on the arable and a dairy herd on the grassland. This combination of sizeable dairy and arable enterprises on the same farm is far from being the norm these days; specialisation in one or the other being more common.

Another significant change we have seen has been the change in the system of agricultural support. The old deficiency payment system that developed after the war had a lot going for it. It did give us cheap food and gave the farming industry a sensible quasi market orientated economic environment. That it had to be changed to match the system in the rest of Europe was not in doubt but I was never convinced by the arguments put forward by the politicians at the time to justify the changes as beneficial in their own right. While there is no doubt that the CAP has been a great contributor to farming's prosperity in recent years, we do now have a system where over 60% of our farm profit came from direct area aid payments last year; not a comfortable position from which to view the future!

A more insidious but none the less important change has been in the general public's perception of farming and those employed in it. When I first expressed an interest in making a career in farming the attitude tended to be that it was most suited to those with lots of brawn and not much brain. Though this image was widespread farmers were none the less respected for being the hard working providers of food that they were. Now we seem to have evolved into villains who despoil the countryside and get paid by the EU for doing nothing! In reality not much has changed, the country still needs (most of) the food we produce and those involved in agriculture are still amongst the hardest working members of our society. As for the "hayseed image", if it was not true in the 50's and 60's it is even less appropriate today. Almost every task in modern farming, at whatever level, requires a degree of intelligence and skill that is above the average.

## LAST YEAR

Coming then to more recent history we have just closed our books on, or should I say switched our computer from, the 95/6 year and a very hectic and profitable one it has been!



It has seen the commissioning of the 11/22 herringbone parlour and additional yard space for the dairy herd at Kingston. The piggery has undergone a major refurbishment with the old sow yards completely gutted, the shell being used for a new dry sow house. The dry sow tether house has been converted to farrowing accommodation and an old range of fattening pens demolished to be replaced by an additional grower house. Most of the feed at the piggery has been converted from bags to bulk handling. Concurrently there has been a substantial reinvestment in the mill and mix plant to enable it to meet modern requirements for the production of experimental diets and reduce the labour cost/tonne. The latter is achieved by more bulk handling which goes hand in hand with the changes at the livestock units and by the ability to manage large production runs of one diet that results.

This has meant a fairly stressful year for all of us involved but we now beginning to enjoy the benefits of the upheaval.

Turning to the more routine side of our activities on the arable side it seems to be a case of another year another drought! When harvest started last year we were very pleasantly surprised how little the drought had affected the winter barleys. Indeed we ended up with a crop of 7t/ha. The wheat crops on the other hand, doing more of their growing later in the season did suffer and yields overall were only just over 6t/ha. This did however cover an enormous range with crops that went in well after oilseed rape, beans and set-aside doing 7-9t/ha and late sown crops after sugar beet on light land doing 3-5t/ha. Definitely not the year for this sort of crop.

Sugar beet was also very much affected by drought with the crop being severely wilted for long periods. So much so that bare ground was visible between the rows at the height of the growing season. This degree of crop stress not only reduced yield but resulted in sugar % being down to 15.7% overall compared with the 16.5-17% we have had in recent years. The yield of unirrigated beet was 37 t/ha but the fields we were able to irrigate (19 ha of the total 45) produced 57 t/ha with the result that, to our surprise, we did manage to fill our A & B quota.

Cereal prices this year have amazed us all and with a £5/t increase in price over last year just when we were braced for the CAP price reductions. This combined with a hike in the area aid of c£80/ha has kept a very healthy margin in spite of the drought effect.

On the "other half" of our commercial business, the dairy herd, we have had a similarly satisfactory year. In this case a rise in yield per cow of 240l to just under 7280l combined with milk price increases of 9% to just under 26p/l left us with record margins for cows in spite of a very expensive feeding year. The drought effect on grass and maize was severe. Low stocks of winter feed caused us to buy more brewers grains which were much in demand and consequently commanding a high price. Much of the grass was so severely droughted that it was killed and a major reseeding programme was called for. We shall feel the effect of this in the 1996 grazing season as well. The other downside for milk production has been that quota leasing has actually cost money this year. Last year quota price was so high in the latter part of the season that we could make more money leasing out quota than producing

milk! We took advantage of this with some earlier than planned culling and were able to lease quota at a profit.

So overall the 95/6 financial result has been a very pleasing one and this in spite of the substantial extra costs incurred while the dairy, piggery and mill were being "overhauled".

1996/97

Another year, yet another drought? That is the way it looks at the time of writing. Crop establishment for all crops including beet has, in the main, been excellent. The one problem area has been the late sown wheat after beet where rook damage has reduced the population.

Soil moisture deficits are already high and the irrigation has been hard at work on grass for the dairy herd for some weeks. Recent thunderstorms will help but we need more rain if crops are to achieve their potential.

On the dairy front the BSE fiasco is a major concern although the effects on our farm so far have been negligible. We have had several cases over the years so we wait anxiously to see what the final culling policy will be.

We now have a herd of excellent and rising genetic potential and are poised to start pushing yields up with our much improved housing, milking and feeding facilities. The latter included the replacement last winter of our old Kidd forage box with a proper mixer wagon with loadcell weighing.

#### PROSPECTIVE

Whilst there is cause for some quiet satisfaction in what we have achieved in the last year on the University Farm, we cannot be complacent. We must assume that the current excellent financial situation in the farming industry is likely to be relatively short term and prepare ourselves for more stringent and competitive times ahead. I am sure William Donger, who takes over from me in November, will find that there is plenty that still needs doing to achieve this end and I wish him and all the farm staff well for the future.

Who knows what changes the next 30 years will bring to our industry! I am sure, however, they will be every bit as dramatic as, but no doubt different from, the ones of the last 30 years and I look forward to reading about these in future annual reports.

**D J Drury (Farm Manager)**



## AGRICULTURAL SOCIETY REPORT

<i>Chair</i>	Sarah Barraclough
<i>Secretary</i>	Hannah Chaplin
<i>Treasurer</i>	Nicola Hampshire
<i>Publicity</i>	Cienwan Gilbert
<i>Events Organisers</i>	Christine Turner
	Chris Thompstone
	Simon Flatt

Week One proved what a dying breed Agrics are, but undeterred we have tried through the year to encourage agrics and non agrics alike to participate in our trips. On 28th November the Ag Soc. embarked on its annual trip to the big smoke- the London Smithfield Farm Tec Show. Well that was the excuse to lecturers anyway for a general piss up. Far too early in the morning, we set off and 4 hours later, after a tour of most of the back streets of London, we arrived at Earls Court.

The new Farm Tec Show proved to be a lot smaller than the Smithfield Show (which has gone biennial) but it was very interesting with a selection of the country's latest machinery and livestock equipment. After a quick look around, so that we would at least be able to tell the lecturers something, we headed for the bar, which proved to be the focal point of the show and was soon overwhelmed by the SB contingent (come back SB bar prices all is forgiven!) The rest of the day was spent wandering around London. We all finally met up in the Clarence pub where 2 teams entered the pub quiz and shock - horror, came away victorious with more alcohol for the journey home. Surprisingly we managed not to leave anyone behind (unlike last year).

The Ag Soc party for Children in Need with a theme of Babies and music from the 70's and 80's (when we were babies) was a great success raising nearly £100 for this very worthwhile cause, and I am sure every one had great fun running around in nappies again!

The spring term trip to JCB was not very well attended, but was very interesting and very enjoyable. There is a trip planned to Landrover (in Nov 96); unfortunately though the waiting list is a year long so that will be up to the new committee to organise.

At this point I would like to thank the people who have helped me run Ag Soc, Chris and Simon, and I would like to wish the new Committee Emma Vickers, Helen Whittle, Cienwen Gilbert, Steve Baldock and Ed Duggleby all the best for the next year. Always remember, Agrics might be a rare breed but we are not extinct yet!

Nicola Hampshire

## 1080 SOCIETY

As another year draws to an end, the Warden's favourite historical club, now in its 8th year (and still receiving no funding from the guild) has branched out to foreign climes. Yes, not content with studying British historical events around the turn of the 11th century, travelling club members have found evidence of 1080 in Australia! It is reckoned to be considered somewhat of a poison over there and treated as a weed killer, going to prove that those ex-cons are a nation of philistines and lightweights after all. This year there have been 3 meetings so far with the annual AGM planned for the summer, and this year the bells will be ringing for burgundy and yellow, a bit of a mouthful for the newcomers to the club. As always there were great debates at all meetings, individual problems were aired and solved and the world was put to rights on many occasions and later on great attempts were made to wrong it. Great battles from the not too distant past were recalled and pondered over, especially the respective tussles between Germany and Scotland with Wales trying to act as the peacemaker but causing more harm than good.

It has been rumoured that the Warden, who never misses a chance to socialise with us down the bar on a meeting night, would dearly love to join the club. Evidence of this is strengthened by a picture taken with the warden deep in conversation with the president after a successful meeting had taken place. His membership will be discussed at the next AGM.

Finally one of our new members is expecting his first child in the not too distant future. We wish him all the best and hope that he will bring him (or her - we can't be seen to be sexist but we are!) up in the true 1080 tradition and instil the values that we strive so hard to uphold in the club, such as the understanding and respect of your fellow man. Well, until next year.

We are the 1080,  
and that is why you hate me.

Cheers,

Willy (President of 1080)

## THE INTERNATIONAL SOCIETY IN SUTTON BONINGTON (ISSB)

<i>President</i>	Imad A Farhat
<i>Vice-president</i>	Roshita Ibrahim
<i>Treasurer</i>	Queeny Yuen
<i>Secretary</i>	Pablo Zemorano
<i>Executive</i>	Suzy Fogg
<i>Executive</i>	Miguel Leiva-Brondo

The 1995-1996 ISSB committee organized an extensive range of activities.

The ISSB made considerable efforts in welcoming the new students to SB due to the increasing lack of efforts from the faculty to ensure an organized welcome. A brochure containing important information on health care, shopping, banking, travelling, worshipping,



etc. was produced and distributed to all new international students. This information is now available on the ISSB World Wide Web Home Page which is located at: <http://www.ccc.nottingham.ac.uk/~scxiaf/issb/issb.html> This location is temporary as we are waiting for a site to be provided by the university. However, you can keep on using this address as it will keep pointing to the ISSB Home Page.

The welfare of Overseas and Erasmus as well as home students was one of our primary concerns. The ISSB committee tried to ensure such welfare through the "Link" programme where new international students were linked to returning overseas or home students. Furthermore, trips to various touristic locations in the country were organized :

Shopping Trips	: Loughborough, Sheffield, Leicester, Birmingham
Day Trips	: London, Oxford, Cambridge, Lincoln, Bath, etc.
Week-end Trips	: Yorkshire

A party was organized after the general election and all students were invited free of charge.

The International Evening which took place on Friday 3 May 1996 was ISSB's major event and one of its most successful activities according to the staff, students and external visitors that attended the event. International evening information and photos are available on the WWW ISSB Home Page !

The evening started with a dinner where visitors savoured more than 50 main dishes, 20 salads and appetizers and 30 deserts from all over the world cooked by SB international students.

A cultural show took place in the assembly hall, where several types of music (classical, arabic / greek, etc.) were played by the students, a play of "The Little Red Riding Hood" was performed by the German / Danish students. A Malaysian dance was graciously presented and the Ball Room society was present as usual!! The "French Connection" brought the climax of the evening with a "Jean-Paul Gautier" fashion show designed by the gifted Virginie Pézin. The show was very professional and was requested by the ISB committee (Main Campus) whose members were the ISSB guests. A song describing the life in SB was written by Quirein van Oirschot especially for this event and was performed by a number of international students.

The evening ended at 1.00 am with a Barn-Dance in the Assembly Hall and a Disco in the Ante-room.

As you can see, the ISSB had a very busy year! And we are sure that the new committee will do even better, we wish them all the best!

**Imad A Farhat**

## ENVIRONMENTAL SOCIETY

<i>Chairperson</i>	Dave Calder
<i>Secretary</i>	Jo Round
<i>Treasurer</i>	Adam Brassey

The Enviro Soc was re-started in the summer term with the aims of making Sutton Bonington a more green and pleasant land! (Well, you've got to try haven't you - with two power stations, an airport and who knows what being spread on the fields around us..?)

We've got big plans and little ones. If anybody's got big ideas then we're always willing to listen. Over the next year, there should be an improvement in the recycling facilities on campus, and it's hoped that YOU will use them. It's not just the Environmental Scientists that recycle paper! The current facilities are:

Paper and Card Recycling - Behind the Orchard car park, to the side of North Lab.

Glass Recycling - Behind the JCR.

When you're next photocopying in the Library, leave all your waste paper in the box provided. Libby will do the rest. Easy innit?! Unfortunately, the can recycling bin in the JCR is bust and no one has a clue who owns it. We will do something about this - honest! Also, for those people who want to know just what goes on in the real world, there will be outings to see the local power stations, chances to do Voluntary Wardening on a nature reserve and maybe a visit to the Centre for Alternative Technology in Wales. Here's hoping.

**David Calder**

## CHRISTIAN UNION

<i>Chairperson</i>	Maarten Fontein
<i>Treasurer</i>	Caroline Tait
<i>Vice Chair</i>	Fiona Robb

We have had a good year enjoying a weekend away in Norfolk. Other events have included games nights and a social out bowling and a meal out as well. Various people connected to the Christian Union have done talks for us. Also we are hoping for some response to handing out leaflets in Christian Aid week. Our aims over the year have been Evangelism and Fellowship.



## SPORTS CLUBS

### ARCHERY SOCIETY

This term unfortunately saw the retirement of our long-standing chairman – Mike Mackenzie, but under the watchful eye the new committee is finding its feet. Scott Essery is our new equipment officer, and now that the guild have sorted out our finances you will be getting those spares you keep nagging me for Scott.

Between them Scott and Mike have undertaken a thorough check of every piece of equipment we possess – we must now rate among the safest clubs on campus. So why are we also one of the smallest – What's putting you all off??

Is it the frigid atmosphere of the rifle range? O.K. I admit it can get a bit parky down there in the middle of December, but if a few more of you had kept coming we could at least have shot in relays and all had a chance to warm our cockles in-between rounds. Anyway, that's no longer a good enough excuse as lighter evenings allow the 'outdoor season' to begin so you'll see Scott and his merry men (and women) out on the rugby pitch – twice a week if the cricket season will allow.

On May 9th we enjoyed a very successful social at the Superbowl in Derby. Thankfully certain members' archery skills are better than their 'Quasar' skills (1260 to minus how many??). Anyway, your later success at bowling made up for that shameful performance! We'll be organising another evening soon after exams.

The post exam period should see the return of our treasurer (Laura Belton) too. Where are you Laura? What do you mean too much Coursework? Come back please, all is forgiven (and bring a friend or two!!)

On a serious note to finish, thanks Mike for all your hard work (and I'm sure that goes from everyone). We'll be sorry to see you go, but I guess you can't stay around for ever (unlike some people!!!), so good luck where ever you move onto. Perhaps you could find time once in a while to come back and show us how it's done.

Sue (Mike's intrepid successor)

### BALLROOM DANCING CLUB

<i>Chairman:</i>	Isobel Rudd
<i>Treasurer:</i>	Ali Carpenter
<i>Secretary:</i>	Vicky Waite
<i>Transport Secretary:</i>	Daniella Rose
<i>Honorary President:</i>	Des Slaughter

We've had a really top bop this year – what a stonker! We started the year with a whopping 62 members – perhaps this was because the first lesson was free? However, this figure

dwindled throughout the year ending with a 'Come Dancing' standard handful (but, by gum, weren't we good!).

The year's events included a trip up to main campus for the Christmas Ball. We all had the chance for a good dance, to practise our steps and saw a brilliant professional demonstration too! Some of our braver members did their own equally good performance at the International Evening – well done Ali, Emma, Nick and Jim!

The year ended with our very successful Traffic Light party. We raised lots of money and lots of eyebrows at the reds getting off with the greens! (Green was 'go for it' but red was 'no go!').

A superb year... we still haven't found our Patrick Swayze and John Travolta but Jim (L) and Sexy Steve came close!

Thanks to Jo for coming down each week to give us our well needed lessons and cheers to everyone for turning up and making it such an enjoyable year! (Where's the bucket?)

Love and kisses  
Marion and Isy

### CLAY PIGEON CLUB

<i>Chair</i>	Chris Thompstone
<i>Treasurer</i>	Juliette Willmer
<i>Secretary</i>	Nicola Hampshire
<i>Equipment Officers</i>	Simon Flatt Dave Tomlinson

True to tradition "The Great S.B. Clay Pigeon Club Treasure Hunt" was under way just after exams and ran very smoothly (unlike the previous year RAFFER!). An excellent afternoon was enjoyed by all, exploring the other side of Shepshed. Hope everything goes according to plan this year.

As usual first years came flooding to the stalls handing over the readies which we were delighted to accept. Unfortunately, the life membership of most first years lasted no longer than the first week. Fewer trips than other years have been made to Bleak Hill this year, mainly due to reduced numbers of first years taking part. The appalling weather conditions this year have also made Bleak Hill even bleaker than usual!

Sorry Jamie "3 shot" Harris, but the traditionalists never fully accepted the semi-automatic so we decided to ditch it for a proper gun!!! The semi was declared illegal and the Rizzini was in a very poor state so these were exchanged for.....a brand spanking new over and under Berreta. This was also purchased with grant money and money raised from the treasure hunt and party. Now even Raff won't be able to miss!

This year saw just the one match (thanks to the wonderful climate), which was against OKA. There was a tremendous turn out by the away team, Paul Keene (Raff) and Jamie Harris, the



ever faithful members. This resulted in a 2 man flush per team until we ran out of cartridges. This made the scoring rather difficult so it was therefore considered a draw. Simon Flatt's Landy came in very handy for carting around the bales. They were loaded onto bonnet, roof, boot and passenger seat in order to make full use of the space available and save diesel.

Good luck to the new committee, be it very similar to last year, Simon, Ed, Juliette, Alex, Dave and me!

Chris Thompstone

#### FELL WALKING CLUB

<i>Chairman</i>	Sarah
<i>Secretary</i>	Anne
<i>Treasurer</i>	Catherine
<i>Walkers Rep</i>	Laura
<i>Tackle Master</i>	Ben
<i>Catering Officer</i>	Sexy Steve
<i>Erasmus Rep</i>	Arni

In the last year lots of miles have been walked up hill and downdale. It has been fun even if blisters just keep popping up! We never thought that we would survive without "Fell Walking Nigel" but it has been proved we can.

There have been lots of weekend trips away to various places including the Yorkshire Dales, the Lake District, Snowdonia and not forgetting the Derbyshire Dales/ Peak District. Unfortunately we had our poorest attended walk in history (well as far back as Catherine can remember anyway!). It was to Monsal Dale and there was three of us! Suprisingly it wasn't raining either!

Striding Edge is not the best place to decide that you suddenly suffer from a fear of heights! Unless you fancy a long walk round but no one was that desperate!

The difficulty of walks is now measured in "Trouser Factor". Otherwise known as the "S\*\*t Yourself Scale". The worse the walk gets the browner the trousers become!

We are all looking forward to lots more mornings when Sexy Steve gets up and asks "How would you like your eggs done?"

Good luck next year and have fun (and LARD forever!!).

Anne

#### MIXED HOCKEY

Greetings Sports fans,..... well, are you ???

Now then, down to the serious Des Lynam stuff, we won nine matches, drew two and lost three. Pretty good really, better than Tuffy anyway. In the end I think we came third or fourth, with sterling performances from all who played especially next year's glorious leader Phil, who played every game. Ryan and his lovely legs. Adam with his penchant for passing! Chris the fat boy. Pineapple head (the scoring techniques speak for themselves). Justin Seaman the man wearing the pad. Helen (first year) solid at the back, subtle going forward. Cath screaming from the back but not moving. Emmaline, nice try. Becky (Stuart Pearce) played well.

During the course of the year we played in the Olympic Challenge Tournament (sponsored by Midland Bank). We entered two team, and managed to meet in the final with Goodliff missing the crucial penalty in the shoot out, after a stunning 2-2 draw.

Finally, I would just like to thank everybody who played over the year, and those who came along to support. Good luck to next year's team.

Cheers,

Mark & Becky

#### NETBALL CLUB

*Captains* Nicola Millard and Paramjott Chawla (Jitty)

*Other members* Alex Callaby  
Leah Cashmore  
Helen Cowling  
Melanie Croft  
Kelly Dugan  
Dawn Hails  
Sandra Hool  
Jo James  
Michelle Sprent

At the first practice of the year there was an overwhelming 22 members who turned up – the first time ever that netball has had such a response!! However in true SB style after the first few weeks, the numbers dropped by half so that there was a steady input of 11 squad members from which the team was chosen each week.

It was a successful year for the team as they showed great improvement and even achieved winning their first match in 2 years!! This winning streak continued leaving SB half-way up the league table instead of the usual bottom.



We also had a number of joint curry nights with the footie lads. Fun was definitely had by all!!

Thanks to all the team members who helped to make the netball team more than just a joke and good luck to the new captain, Sandra – keep up the good work.

## ROWING

### History

It has always seemed that the boat club at S.B. has never been taken seriously and crews have usually rowed just for fun during the summer period. Well this all changed two years ago, when my crew from S.B. decided to join Loughborough Boat Club, so that we could take rowing seriously and use the facilities available. This led to the formation of our novice coxed four and we were keen to succeed and show that us farmers could row as well as shovel s\*\*t.

Richard Eaton	Stroke
Martyn Hewitt	3
Alex Warne	2
Nick Broadwith	Bow
Heather France	Cox

Clubs all across the country now recognise us as serious competition. At Shrewsbury regatta May 1995 we were promoted from novice to senior 3. Our next aim was to gain three more points so that we could become senior 2. We gained one of these points at Ironbridge June 1995 after the summer ball, where S.B. support was "tremendous". We are still competing in order to gain points and hope to compete in many heads and regatta's over the season.

There are also a few other crews which at the moment row occasionally. It would be nice to see more crews getting their act together, so that there can be future success within the club.

### Competition

1996 has been a very successful year so far for our Sutton Bonington coxed four. Over the winter months our crew trained and competed in head races in a coxed eight which we formed with Loughborough Boat Club. We entered a wide range of events from the York head to the Thames head – where we came 250th out of 439 crews and it was bloody tough. Into the Regatta season this year, our crew has been to Shrewsbury, we raced both Saturday and Sunday. We had no victories on Saturday, so we got very drunk that night, along with our S.B. supporters. We raced on the Sunday, still under the influence and achieved wins in three of our rounds, beating City of Bristol, Stratford Upon Avon and Royal Shrewsbury School BC, before our final against City of Bristol. We fought hard and managed to win by one and a half lengths, pushing us one point from becoming senior 2 oarsmen (Now senior 3, with 2 points each). We hope to compete in many other regatta's for the rest of the season; however our main aim is to compete at the Henley trials.

## Social events

The S.B. regatta held at Loughborough Boat Club was a success last year and much fun was had by all; hopefully this year's regatta will be as successful. A "bad taste" party was held last year and was also successful thanks to Fiona.

## Acknowledgements

The S.B. crew would like to thank Heather, Karen and Mark for their coxing skills. They would also like to thank the members of the Loughborough Boat Club for their support, coaching and guidance. The crew would also like to thank their S.B. supporters and hope to see them at future events such as the Loughborough regatta, Ironbridge and many more. I personally would like to thank the S.B.B.C. committee members for their help throughout my year as boat club captain and wish Matt all the best as the new captain. Happy Rowing!!!

## RUGBY CLUB

The season had a magnificent climax by retaining the Interhall Cup; however, clumsy foreplay lost us the OKA match. Due to the jam-packed nature of the season and the proximity of the deadline only the highlights will be provided.

### Good things

Cup final  
Hakka  
Tour: Nick Armstrong's absence  
Poem (see below)  
Water pistols  
Vom Wig  
Pennant League  
Supporters' shirts  
Ladies night:  
David Gray and Mav's speeches  
Gentleman's evening  
President's Match  
Rolls Royce Social  
Ref. at RAF Waddington  
Big Bad Jon's Singing  
Mistletoe Ball (tits)  
Bless Ya! promotions 'BUMP' night  
Kate Lockwood

### Results

Forgotten through lack of interest!

### Bad things

OKA  
Anu's sprinting and foetus injury  
Biggles (Ted's necklace)  
Stamping (Locky and Baldy)  
Yorkie's driving to cup final  
Ref. on tour  
Joe Swift's Hips (Mr HRT)  
John Overnall's Lips  
John Burrell's Nips  
Jaff's underpants  
Chris Challinger's cycling shorts  
Main Campus and their interhall  
cock-ups!  
Next year's committee!  
Bouncy castle injuries



## Awards

Duncan Gray Memorial Award	John Overnall
Highest try scorer	Rick Stathers
Joe Hunt Award	Rick Stathers

## Tour Awards

Ted	Tour kid
Ben J	Tour obnoxious drunkard
Paddy	Tour cease-fire ignorer
Brown-eye	Tour stalker
Bob	Tour know-all
Stu	Tour leery paedophile
Dodgy Ben	Tour fetish realiser
Swiftly	Tour victim
Knowles	Tour sewer sphincter
Sanjay	Tour dormouse

Plus many more that were even less funny.

## Tour Poem

### *The Failed Reveller*

2 am...

*and the ale  
wearing off  
so quiet  
I can hear  
the eggs  
in the fridge  
shufffling*

7 am...

*alarm clock  
sends  
fire engines  
clanging into  
my dreams  
bedroom is cold  
I reach out  
and put on  
my  
hangover.*

Many thanks to the club members and supporters and good riddance to the 'Butnies' (Mark Haighton & Joe Swift); Carlos, for his unsurpassable service; Ted 'Versatility' Hawkins for not leaving when he should have; Paddy for demanding to be kept on as Tigers' Capt. And finally, and we do mean least, Rick Stathers for eventually getting laid by the rugby club ride.

Steva Pielar & James Brown

## WOMEN'S FOOTBALL CLUB

We started the season well with a good curry night but the numbers soon dwindled as we were kicked out of the Interhall League. As the year progressed the numbers picked up again. The Monday night practices were continuing to be organised. This has worked well with the help of Andy and Grant running the training. We hope to have a good season in the league next year with some first years joining us.

Caroline Tait



## CONTRIBUTIONS

## STAFF CONTRIBUTIONS

### REALISING THE REPRODUCTIVE POTENTIAL

Dr Morag G Hunter  
Animal Physiology  
Physiology and Environmental Science

Reproduction is the most basic instinct after self-preservation, and even this can be questioned if we consider for example the unfortunate male marsupial mouse, *Antechinus*. This Australian mouse is a member of an amazing group of animals, which also includes salmon, that have what's called 'big-bang' reproduction. For the members of this group, reproduction occurs only once in their lives and takes place in one frenzied breeding season. However, unlike salmon, in which both the males and females die after breeding has occurred, in *Antechinus* it is only the males that die leaving the females to bring up the next generation alone.

Fortunately humans do not suffer a similar fate after passing on their genes, and neither do farm animals. Here at Sutton Bonington much research effort, particularly in the Animal Physiology Section, has been directed towards increasing our understanding of the basic mechanisms which regulate reproduction in a variety of species. Only once we have this information, will we be able to control and manipulate reproduction predictably and successfully. In our research we use a variety of different approaches spanning from whole animal (*in vivo*) to cellular and molecular (*in vitro*) studies.

You may ask the question as to why we should wish ultimately to 'interfere' with the process of reproduction, particularly since at first glance both farm animals and humans appear to reproduce fairly effectively. In fact, this is not the case, and there are many examples of situations in which reproduction is remarkably inefficient. This is especially true when animals have been selected on the basis of some other production characteristic such as milk yield or carcass composition. In the human field, more than 10% of all couples experience some degree of infertility. This percentage is increasing and is expected to continue to do so, particularly in the light of the heavily reported decline in sperm counts in younger men.

If we consider the case of the domestic pig for example, the number of piglets weaned per litter is far below that which it could be, i.e. there is a vast differential between theoretical potential and realised output. This is due primarily to losses which occur at almost every stage from fertilization (if indeed insemination occurs at the appropriate time) through embryo development to parturition and weaning. If 14 eggs are released at ovulation, on average only 8 or 9 weaned piglets will result. Clearly this productivity could be improved if more eggs were released at ovulation and losses at the subsequent stages were reduced. We know that the biggest loss which occurs (35%) is the result of early embryonic mortality and this is one of the key areas on which our research has focused. Our interest in this topic coincided with the importation, following several years of negotiations and quarantine, of the Meishan pig into the U.K. The Meishan is a member of the Taihu group of breeds from the area around Lake Taihu to the west of Shanghai in the People's Republic of China. It exhibits poor



growth rates and muscle development along with excessive fatness and thus does not meet the current market requirements for Western countries. The Taihu breeds, however, contain the most prolific pigs known and in fact the Meishan pig produces at least three or four more piglets per litter than European breeds. Clearly then, this was the ideal model with which to study the control of prolificacy, which would not only broaden our understanding of the physiological basis of reproductive performance in pigs, but would also provide insight into the important mechanisms in other species.

A co-ordinated British approach was established to attempt to disclose the secrets of the Meishan's fertility, involving scientists in Edinburgh and Aberdeen as well as here in Sutton Bonington. Much progress has been made and we now know that the increased litter size in the Meishan is due to a combination of a higher ovulation rate coupled with a much greater level of early embryo survival. This enhanced early survival is the result of genes in the mother, rather than the embryo, which act via the oocyte and/or uterus. Not unexpectedly however, the problem has proved to be more complex than was originally anticipated and we still have some way to go to complete the picture. Nevertheless, the studies at Nottingham have highlighted the critical influence of both the pattern of follicle development, and the intra-follicular environment on the oocyte which will later become fertilized and develop into a viable embryo. We have shown that more follicles develop through to ovulation in the Meishan (thus the increased ovulation rate) than in European breeds because of differences in hormone secretion between the breeds due to a reduced sensitivity to feedback in the Meishan. We also know that the maturational characteristics of Meishan follicles are more advanced than their European counterparts and thus the oocytes mature and are fertilized more rapidly. Clearly, these important findings can be exploited in the future to improve the prolificacy of European breeds.

At the same time as we have been studying follicle and oocyte maturation in pigs and other species, colleagues with interests in human fertility have been carrying out pioneering work in a similar area. For several years now, sperm have been frozen and used subsequently for artificial insemination and *in vitro* fertilization. Recently however, biopsies of sheep ovarian tissue have been stored frozen and then successfully reimplanted back into the donor animal. *In vivo*, greater than 99% of the immature follicles containing oocytes which are present in the ovary degenerate and do not grow and reach ovulation. These immature follicles are clearly a massive 'un-tapped reservoir' of potentially healthy oocytes which could be used for *in vitro* fertilization. The first report has already appeared from the USA on the successful production of healthy mouse embryos from eggs grown entirely in a test-tube. The race is now on to repeat this success in humans and other larger animals by developing methods for the culture of early follicles and oocytes through to maturation. The advantages of such systems would be enormous – animals of high genetic merit could produce vast numbers of oocytes for fertilization – far more than those currently produced by conventional superovulation/aspiration techniques. Ovarian tissue from endangered species could be frozen indefinitely, with the knowledge that healthy embryos could be produced *in vitro* at any time provided that frozen sperm were also available. The benefits to human fertility are obvious, whether it be the production of 'donor eggs' or the storage of tissues from young patients about to undergo cancer treatment. Radiation treatment usually destroys all the follicles in the ovary, so removal of tissue prior to treatment would mean that these immature follicles could be grown *in vitro* several years later, thus ensuring that 'the child can one day be a mother.'

Here at Sutton Bonington we are collaborating with colleagues in the clinical field to develop the methods for culture and growth of follicles and oocytes from large animals. Our clinical colleagues need a large animal model with which to work, since human tissue is scarce. With this joint approach, we will surely come closer to realising the reproductive potential.

## FLAVOURSOME FOODS – A QUESTION OF PERCEPTION

Dr Andy Taylor  
Flavour Chemistry Group  
Applied Biochemistry and Food Science

Consumer views on food tend to be based on a small measure of scientific fact mixed liberally with hearsay and prejudice. Common views are that "additives are bad for you" and that "modern foods are tasteless due to mass production". In the former case, the efforts of the European Commission to assure consumers that food additives were entirely safe by introducing the E number system have backfired spectacularly as most consumers associate E numbers with harmful compounds that are unnatural, rather than recognising that an E number is only granted after substantial study into the safety of additives. The situation is further exacerbated by the media who want to sensationalise issues and represent everything in black or white – no grey areas here!

The situation with flavour is more difficult to assess. There is a perception that food used to taste better and that "food manufacturers have mucked it up" but are we to trust our memories of flavourful fruit from the garden when we were young children? Do our grandparents practise selectivity and only remember the (rare) excellent flavoured foods pre-war while conveniently forgetting the bland, poor quality food that was regularly served in institutions like schools? Like most issues, the truth probably lies somewhere between the two extremes. There is no doubt that the focus of the agricultural sector in the post war period has been to increase the quantity of food produced and there have been remarkable advances in the yields of produce grown per hectare. Quality issues have been less notable although there has been great interest in breeding plants for resistance to disease and insect infestation, both of which relate to quality although not directly to flavour. In the food industry, there has been a great change in the way food is bought and consumed with a strong trend towards convenience food. However, the accusation that food manufacturers have a deliberate policy towards cheap, flavourless food is not tenable. Food is bought on a frequent basis and a repeat purchase will only occur if the consumer is content with the quality of the first purchase.

Over the last few years, several developments have taken place which provide opportunities to improve the flavour of foods using a structured, scientific approach. At Sutton Bonington, we have been in the forefront of these studies as the Faculty contains all the necessary expertise for this type of multidisciplinary investigation. Genetic modification of plants is now well established and, in Professor Don Grierson, the Faculty has the "best gene-jockey in the world" according to one industrialist I recently spoke to. However, as Don would admit, it is still necessary to identify which genes need modification and to what extent – i.e.



should they be switched off or have their activity enhanced. With some types of genetic modification, the target gene is fairly obvious; with flavour however, the targets are less obvious because flavour is due to a wide range of compounds; estimates range from hundreds (coffee) to six (basic fruit flavour). One of the biggest hurdles to improving flavour therefore is the identification of these compounds and this is the area where the Flavour Chemistry group within Food Science has been particularly active.

Analysis of flavour chemicals has previously been undertaken in two ways; either the food is extracted with solvent to remove all the flavour compounds or the odours above a food are collected (the so-called headspace technique). In both cases, the extracts are then analysed by a combination of gas chromatography – mass spectroscopy (GC–MS) which quantifies and identifies the compounds present. To ensure that the compounds detected do possess odour, analysis also involves a technique called gas chromatography – olfactometry. For this, the long-suffering staff in Flavour Chemistry sit with their noses at the end of the GC column for periods up to 45 minutes. As the compounds elute from the column, the human assessor uses his or her nose to detect compounds that are odorous. This obviously involves some subjectivity and care must be taken to avoid anosmic assessors (people with no or a limited sense of smell). The results of these olfactometry studies can be expressed in the form of an aromagram where account is taken of the sensitivity of the nose to different compounds.

We are all aware that certain chemicals are particularly odorous and this is reflected in a low odour threshold (the minimum concentration needed for the chemical compound to be detected in the nose). In humans, these concentrations are in the range of micrograms per gram (1 part per million) down to nanograms per gram (1 part per billion) and, for a few compounds, are at the picogram per gram (1 part per trillion) level. Dogs by contrast, are reputed to have a better sense of smell and can work at 1 ppt or lower, hence their use to “sniff out” drugs and explosives at airports. We should also mention the famed ability of police dogs to follow the scent of humans, even in the Sutton Bonington Kitchens and then apprehend guilty students by biting them on the bottom (no names mentioned but you know who you are!).

However, both solvent extraction and headspace sampling of foods have limitations when trying to relate how we perceive flavour using our senses and the amounts and types of flavour chemicals present. This is because neither technique actually measures the flavour profile delivered to the sensory receptors in the mouth and / or nose. Solvent extraction assesses the total flavour chemical content of a food but only a proportion of the flavour chemicals is released during eating, depending on the relative solubility of the compound in the fat or water phases and their partition into the air from these phases. Ideally, we need to be able to measure the flavour chemicals close to the receptors during the eating process.

This goal is difficult to achieve as it involves human subjects and has raised ethical questions within the University. However, the difficulty of constructing a model, mechanical mouth is even worse. The chewing process is extremely complex and the teeth move up and down as well as sideways; the tongue acts as a guide, channelling food between the teeth and stopping chewed food falling into the bottom of the mouth. Some people have tried to mechanise false teeth in rubber sacs to simulate a mouth while others have used much simpler mechanical devices like a modified Kenwood mixer (imaginatively called the Retronasal Aroma Simulator). Our approach has been to measure flavour release in people directly and,

after 6 years development, we now have a method for following the release of volatile flavour compounds in the nose. This allows us to follow the changing profile on a breath by breath basis.

The work has attracted good industrial support which has allowed us to invest in state-of-the-art equipment and the initial results look very encouraging. The science behind the technique is complex but the concepts are familiar to everyone as we all experience eating! In the laboratory, we are particularly interested in the differences between people. We have our own preferences and dislikes for food but do we experience the same flavour profile from a food? Our studies so far suggest that the pattern we experience is very similar but that different people generate different amounts of flavours at their receptors. Other work has suggested that it is the relative amounts of flavour chemicals which allow us to identify flavours and our work supports this idea.

Another key area for study is the persistence of some flavours. In oral hygiene products this is very important and chewing gum too, is an example of flavour persistence. As yet we have avoided experiments to analyse bad breath although there is substantial interest in the human and pet areas: dogs with bad breath do not make good pets! Early experiments with Extra Strong mints showed that menthol was released slowly and persisted much longer than menthone. The interesting fact is that both menthone and menthol can be measured in the breath even after the Extra Strong mint or chewing gum has been swallowed. This begs the question of where these compounds are located and further studies are planned to look at potential reservoirs of flavour in the mouth. A much more pleasant series of experiments was carried out last summer when we tested the flavour release from Champagne. This was the real item, not some cheap fizzy wine and Lab staff were more than usually keen to arrive punctually as first testing was just after 9am.

Now that we are able to generate this type of information, it is being used to improve food flavour. Returning to tomatoes, a programme involving Don Grierson, Greg Tucker and myself has been running for 3 years and has involved an integrated approach to improving flavour using biochemical, chemical, flavour studies and genetic engineering. The latter has provided a number of excellent tools with which we can identify the genes thought to control flavour production, follow their activity during ripening of the fruit and then modify plants to study flavour generation. Although there is a FlavrSavr tomato commercially available, the improvement in flavour claimed by the suppliers comes from its ability to ripen on the vine rather than ripening after being picked green. This approach works providing the tomatoes are flavoursome in the first instance. The ability to measure flavour release has led to many other pieces of work and a patent application has been filed which, if successful may earn the inventors (and the University) some cash.

The success of this work has been due to much hard work and dedication by several people and I would like to pay tribute to Rob Linforth in particular. He started work on a 3 month contract, went through a period of great uncertainty about where the next week's pay was coming from and still managed to be innovative and enthusiastic; a quality which many undergraduate and postgraduate students have also found extremely helpful over his years in Plant Physiology and Food Science. Kate Ingham has also played a major role in developing the technique with support from Andy Clawson. I am extremely grateful to them all for



delivering such high quality data so that I could make a good case to our sponsors (MAFF, BBSRC and several food and flavour companies) for further investment in this work which has attracted around £500,000 to the University.

## STUDENT CONTRIBUTIONS

### BROADARSE'S BIRTHDAY PARTY

After an excruciating journey up to Yorkshire, fighting Landrovers (and psychotic drivers!) the entourage finally arrived at Nick's house. We all dropped our empty port bottles when Alex shocked us with the news that he and Jo were engaged. Much merriment was had by all on the first night, highlights being Locky plying Mrs Broadwith with 'Vintage' cider, 'Barbeque Jim' revealing that he was copping off with the lady of the manor and Paddy's incessant nattering during the night (noisy bastard!)

Saturday morning came and the three must-have-beers all went for a walk to the local shop. Two hours later we found a phone box and had to ring Mama Broadwith to come and find us, fortunately she was kind enough to do so. Later we found out that the town was called Thornton Shopless. This brought us to the legendary Bedale point to point. Due to the high profile nature of this event we were soon to be joined by Lord Corby, the Earl of Devon and the Marquis of Dorset. Expecting everybody to be getting drunk the members of the aristocracy engaged in a little tippie themselves. The resulting mess could only be seen to be believed: Whilst the Earl of Devon was abusing a lad with a 'Sherlock Holmes' style hat, "You've got your flaps down!" he laughed so much that he accidentally wet himself in the middle of the beer tent; the starter's Matbro was seen to be the target of a vicious 'hit and run' attempt; the Sun caught up on the 'Lord Corby on acid' scandal; the local bookies were surprised by a new firm setting up beside them - Bodgitt and Leggitt. The evening do was most enjoyable, many thanks to Nick and his family for a memorable weekend and fantastic hospitality.

### The Assembled Peerage

### ERASMUS REPORT 1995-1996

This year nine students survived their six month stay in France as part of the Erasmus Scheme. Much fun was had by all. Vicky attempted to play rugby in Rennes and ended up in hospital; Mary and Jayne tried to initiate an SB style of living at a remote campus in Lille; George took Angers by storm; Tom and Dave learnt the art of red wine appreciation in Toulouse (the more you drink the redder your tongue gets); Greg and Jess tested out the

euroliving in Lyon and made plenty of use of the first metro home in the mornings; Alex played with pigs and managed to stay out there the longest (but he was getting paid).

All in all, we all benefited from our time in France and if nothing else we found out that drinking a five litre barrel of red wine a day has a very positive affect on your ability to speak in a foreign language!

Anon

### VERY STRANGE PLACE THIS!!!!

After I'd got over getting drunk, and re-introduced myself to loads of people I couldn't remember meeting, I felt as though I'd landed on this very strange planet somewhere far removed from planet earth which had become my home. Everyone seemed to know everyone, and the people I heard about had very odd names like Jaff, Maggot, Paddy, Pubic, Spike, Oonty and Boot to name but a few. It took me a long time to sort out Buttney and Buttney, or is it Swifty and Willy, or perhaps it's Mark and Joe!!!! But which one's Butane, and it took me 'til the 3rd term to work out that one of them always has a hickey! Having come from a pretty regular place with a fairly regular name and no longer having the confidence of a totally inebriated person, boy oh boy was I confused, and shy!

Down the bar there were these really daunting 2nd years. Jesus John was pointed out to me; with his longish, bushy hair and broken fingers he was hardly an approachable person. I think it took me another three weeks to work out that this guy was one and the same as Oonty; I was bloody embarrassed when I realised that! (Mind you, I was informed that his little brother is called Supersonic; it's not surprising that poor people like me get confused!) Anyway, down the bar I felt as though I was 12 years old again and these were the senior school prefects! Eventually I began to get over this feeling of being removed, well actually I'm still a little vacant! But at least some of the 2nd and 3rd years knew who I was (not on my merits though, as they christened me again, and took the piss out of me as though I was their little sister!)

I was still confused about what this place Camelot was..... I spoke to some people who went to the living out coffee party there, however they couldn't really answer any questions about the mystery castle as they couldn't remember any of the coffee party. Apart from this minor detail I felt as though I could begin to relax and thought I understood what was going on. We had these elections at about this time for 1st year Rep. Who He Ed?!!! We thought it was dead serious affair until our peers, who were brave enough to stand up in front of us lot, were asked to do a chicken impersonation that set me back about 2 weeks in my understanding of this place!!!

I thought I was there, I could take it, I could cope. Well, I'd coped so far. Stupidly this was about the time that I stopped worrying about myself and began to take in what was happening around me. I'd obviously heard about various societies (a brilliant thing actually happened after an infrequent meeting of an infamous, and very strange, historical society, but I guess that's another story!). Then we heard about the 'Official Keggy Krawl' a bit mad I thought, and for the life of me I couldn't work out a) why everyone got so uptight about it, and b)



why they were obviously so gutted when they failed. I think having done the five legged Keggy Krawl that was such a laugh, I couldn't understand why these people wanted to put themselves through all that just to Vom their guts up at the end.

The first time I was involved in the likes of Whiz, Cardinal Pouf, Jacks, Fuzzy Duck, Bunnies, G' Day Bruce and commander, I was totally befuddled and confused. As for 'Drink 'til you vom' .... Yuck!

I guess I could go on and on, but I bet there will be other people reporting all this as well. The first term was Rugby socials, drunken brawls, how could I forget Karaoke at The Anchor. Talking of Barry's: arrows, shitheads and the same faithful songs being played on the juke box repeatedly are also fond memories! Admittedly I must have been poorly educated if I'd never heard 'Hi Ho Silver Lining'!

The next term there was more of the same, the drunkenness was worse, mirrors got punched?! and I left for Easter thinking I'd know what to expect in the summer term..... unfortunately a constant supply of alcohol and lots of talking means that I still feel I know very little about what goes on round here. I would like to anonymously thank all the 2nd and 3rd years for being so welcoming.... especially at coffee parties, you couldn't help being daunting!

Funnily enough, now we've finished our first year, there are lots of strange nick names: Sharky, Oasis, Skully (can't spell that one!), Raffa, Gizem, Gizmo, Lard Arse (sorry shouldn't have mentioned that one!) Spermy, there's even another Paddy. I wonder If we'll be as daunting in October for all those freshers! Lets hope that strange names won't put them off the bar!

Anyway, it's time for me to leave this strange planet, get down to earth and exams!!!!

P.S. What are all the words for the Rugby songs?!! Incidentally if you've never seen Big Bad John singing his solo with a tankard on his head, ask for a rendition, it is very impressive!

Anon

#### REPORT ON TRAVEL FUNDED BY THE J D IVINS MEMORIAL TRAVEL SCHOLARSHIP

In the summer of 1995 I went to Kentucky, in the United States. The purpose of this trip was to research my project. Kentucky covers the same area as England but has a population of just 4 million. The number one cash crop is marijuana, followed by tobacco! Tobacco is the major crop of the county where I stayed. Due to the anti-smoking lobby and the possible FDA move to make tobacco a drug (which would mean that a prescription would be necessary to buy it), many of the farmers are facing uncertainty. Some are trying to diversify by growing crops such as peppers and cucumbers.

Horse farms are very numerous around Lexington. This is mostly because the bluegrass which grows there has a high calcium:phosphorous ratio. This is good in producing strong

legs in youngsters. The farms are not generally money making but are million dollar hobbies for the rich. Each has the appearance of a golf course with every blade of grass in place, surrounded by post and rail fencing with immaculate paint work.

During my stay I was researching the use of BST and working on a dairy farm. BST has been used commercially since February 1994. However, since the co-ops do not want to know if farmers are using it, few will admit to its use. This made my project somewhat harder than expected. The intense heat with a high humidity causes a lot of cattle to suffer heat stress. In an effort to combat this and reduce depression in yields, most people will keep their cattle inside under sprinklers and fans. The parlour where I was milking had no side walls to reduce the heat, we also had sprinklers and a supply of cold beers in an effort to keep cool while we milked.

The weather is an important topic of conversation. Virtually everyone has an all important rain-gauge. When anyone comes round there is always the inevitable question of, "How much rain did you alls get?" At this point the aim was to outdo each other if only by 1/16th of an inch. Having said that, most of the rain comes down quickly, in large quantities and tends to be localised. It is not uncommon to get 2 or more inches in half an hour. In between the odd rain storm, the humidity builds up to bursting point. When they came, the storms brought a welcome relief from the heat and humidity, if only for a few hours. During winter, temperatures will sink below -30, tractors won't start and milking machines freeze between cows. Added to this, the milk truck can't get to the farm and so the milk has to be dumped.

One of the most striking things about the States is how dominated it is by cars. The only buses in sight were school buses and the nearest railway station in Kentucky was 4 hours drive away. Most kids over 16 drive to school. The roads are littered with drive-through banks, liquor stores and of course fast food outlets. The local teenagers go out cruising in the evenings. The local town, with a population of 800, becomes like the M25 at night during the weekends. The traffic jam goes on for miles, meanwhile passengers swop cars for a really happening social scene, drivers try to outdo each other in having the loudest stereo and the brightest neon lights round their number plates. It seemed very strange that these normally quiet roads would become a nightmare at night and this was people's idea of fun. Somehow I don't quite see it catching on in Sutton Bonington.

America appears to be a place of contrast. In the country, there is virtually no crime; people rarely lock up their houses and usually leave car keys in the ignition. In the cities murder is an everyday occurrence not to mention theft. It seems strange that people have little respect for the law when it comes to such crimes but become model citizens on the road. The secret to this is the fear of being sent to traffic school. Yes, it is the fear of education that drives people to keep to 65 mph even on a clear freeway which to anyone else would be an open invitation to put the foot down on the gas. One of the main reasons for this speed limit is the safety factor, but, cruise around a little and you discover that railroad crossings have no barriers, and you can cram as many people as you want in the back of a pickup. There is a large difference between rich and poor. In some areas around Louisville are huge mansions each boasting swimming pools, tennis courts etc while a short distance away others are living in trailers. Further away from the cities are large numbers of people who aren't on city water, but get their water from wells, which are usually equipped with pumps. The local



water was rather dubious, at least once a week a brown/black liquid flowed from the taps. Although the water company tried to convince us that this was just iron and manganese, it didn't make drinking it any less offputting.

My time out in Kentucky passed too quickly. Before I knew it, S.B. was looming ahead and it was time to hop back to England.

**Hannah Chaplin**

*The J D Ivins Travel Scholarship is generously supported by donations from the late Professor Ivins' family as well contributions from OKA and Faculty.*

## PHOTOGRAPHS



*Green and pleasant land*





*Before the event – Charity Fun Run*



*SBRFC victorious in Inter-hall Cup*



*Bonza B Party*



*Third Years after midnight*





*Lord Corby, Earl of Devon, Marquis of Dorset  
after their point to point*



*Boss Hog after a pint!*



*Kate Moss or Footy Captain?*



*Prospective new 1080 member*



September Reunion 1996



### 1928 FOOTBALL SQUAD

The Faculty at Sutton Bonington is accumulating a large amount of information (photographs, anecdotes, you name it) which is being collated by Stan Cramer (1957) into a Faculty Archive. Displays are arranged during Faculty occasions (e.g. September Reunions). One of our recent acquisitions was a photograph of the 1928 football squad signed by all members. It was presented to us by Mrs Susan Walker, the daughter of the captain Archie Moore who was here at SB from 1926–1928 during which time he also acquired both an NDA and NDD, and was the winner of the cross-country race in 1928. Obviously quite an all-rounder. Archie was unable to be present but sent his best wishes.

The photograph shows, from left to right, Dr Julian Wiseman (OKA Hon Treasurer, PhD Animal Production 1979, now Senior Lecturer in Animal Production), Graham Walker, Susan Walker, Stan Cramer (1957, formerly Staff, currently Keeper of the Faculty Archive!), Dr Martin Luck (Hon Secretary OKA, BSc Animal Science 1974, now Lecturer in Animal Science) and Prof Tony Flint (Dean of the Faculty of Agricultural and Food Sciences). Will Haresign (OKA Chair) unfortunately was not able to make the photograph (something about a lecture on melatonin running a little late....) neither was Dr Debbie Sparkes (Assistant Secretary OKA, PhD Agronomy 1996, now Lecturer in Agronomy – hired to inject some youthful enthusiasm into OKA affairs)

### PAT MILLER AND 'FRIENDS' – REUNION

The photograph, showing Pat Miller in the centre in blue, was taken at a reunion in February of this year.

### SEPTEMBER REUNION 1996

A group of colleagues from the early 1950s who attended the reunion in September 1996:

Standing (from left to right) Arthur Loughton, Ruth Loughton (Bullivant), Elaine Gunn-Russell (Marshall), George ('Jerry') White, Eddie Topping, Jim Waterworth, Brian Self, Mike Wall, Nancy Ingram (Smith), the late Jack Ingram.

Seated (from left to right) Jack Berridge, Lesley Cross (Carlier), Anna Farago (Leake), Lilla Wall (Circuit), 'JP' (Prof Hudson GM), Janet Foulsham (Charles), Stella Mathias.

Arthur Loughton has had a distinguished career in Horticulture and a few comments on this (NOT written by Arthur!) appear in the News of Former Students section.

THE UNIVERSITY OF NOTTINGHAM

FACULTY OF AGRICULTURAL AND FOOD SCIENCES

1995/96

YEAR I

ABDUL HAIYEE, Zaibunnisa (O/S)	DUGAN, Kelly Joanna
ADAMS, Mathew John (M)	DUNSMORE, Braden Christopher
ALKER, Phillip	DURRANT, Benjamin
ALPHONSUS, Gwendolin Leony (O/S)	ELLISON, Elizabeth Susan
ARMSTRONG, Nicholas Robert (O/S)	ESSEX, John Luke
ATKINS, Emma Louise	EVRIPIDOU, Nikolaos (O/S)
AWANI, Efua Stella (M)(O/S)	FERGUSON, Laura Jane
BAILEY, Thomas Gordon	FLETCHER, Emmaline
BAKAS, Fiona Eva (EU)	FONTAIN, Maarten
BAKER, Thomas Alan	FOUNTAIN, Roderick Alan William
BALDOCK, Stephen James	FRAGOSO ALMODOVAR,
BARRATT-JOHNSON, Dawn Veronica	Ricardo Silverio (EU)
BARTON, Claire Louise	FRANK-LAWALE, Anu Samuel
BASSETT, Tracey Jane (M)	GARDNER, Rachel Jennifer
BIRTWISTLE, Daniel John (M)	GODFREY, Sarah-Jane
BLACK, Hannah	GRANT, Karen
BLAKEN, Matthew James	GRATTON, Elizabeth Rachel
BROWN, David Charles	GRIFFITHS, Stephen Derek
BROWN, James Douglas	HADIARTO, Toto (M)(O/S)
BROWN, Robert	HICKING, Linda Mary
BURROW, Anna Michelle	HOLCROFT, Sarah Rachel
BUTLER, Nicholas	HOLTAPPEL, Natalie
CALDER, David John	HOOL, Sandra Louise
CALLABY, Alexandra Amy	HORWOOD, Stuart James
CARPENTER, Alison	IDARIS, Rafidah (O/S)
CEREZO GOMEZ, Fausta (M)	IDOWU ADENIYI, Esther Olu (M)
CHINN, William Henry	ISAAC, Peter Edward
CLARKSON, Edward John William	JAMES, Joanna Frances
CLEMENT, Michelle	JOHNS, Angela Ruth
COOPER, Joanne Louise	JOHNSON, Ian Richard
CROFTS, Melanie	JONES, Kathryn Jane (M)
CULLING, Kathryn Sarah	JOYCE, Katie Louise
DANIEL, Zoe Clare Tamsin Rebecca	KAMPOURIS, Antonios (EU)
DAVIS, Rachel Catherine (M)	KARASTERGIOS, Ioannis (EU)
DAVIS, Simon Charles	KEMP, Jane
DAWKINS, Isabelle Anne	KESWANI, Salima
DEARLOVE, Andrew John (M)	KETT, Gavin Richard
DEMERY, David Mark (M)	KINDRED, Alys Rachel
DICKIN, Mark William	KING, Andrew William
DILENARDO, Christian (M)	KNOWLES, Jamie John Dennis



LAM, Candy  
 LEE, Joanna Wai Kwan (O/S)  
 LEEK, Aidan Barry Graham (EU)  
 LIUNI, Filomena Giuseppina (M)  
 LOTT, Edward John  
 MANSFIELD, Sara  
 MARSH, Jennifer Wendy Margaret  
 MARTIN, Stephen Paul  
 MIDDLETON, Graeme Alexander  
 MILLER, Alistair James  
 MILTON, Richard Nicholas  
 MISTRY, Sanjay  
 MORJARIA, Reena (M)(O/S)  
 MORRELL, Harriet Victoria  
 MOSS, James  
 O'CALLAGHAN, Zoie Marie  
 OLDACRES, Angela Maria  
 ORLANDI, Janet  
 OSWIN, Amy Louise  
 OVERSON, Ian Matthew  
 OWEN, Gillian Mary (M)  
 PARKER, Robert John  
 PEPPER, Wendy Louise (M)  
 PINKNEY, Alison Mary  
 POTTER, Zoe Clare  
 POWDITCH, Jean (M)  
 PRIDDLE, Catherine Nicole  
 RADFORD, Stewart John  
 RAOOF, Husna  
 RAPHAEL, James Andrew  
 REDMAN, Elizabeth Mary  
 REDMAN, Richard Thomas William  
 REYNOLDS, Nicholas David  
 RILEY, Julia Catherine  
 RIPLEY, Steven Brian  
 ROBERTSON, Ruth Angelina  
 RODGERS, Benjamin  
 ROUND, Joanna Lee  
 RUSSELL, Mark Cheney  
 SAKUPWANYA, Masiyiwa  
 SIMPSON, Daniel Alan Anthony  
 SIWICKI, Robert James Victor  
 SKELLERN, Matthew Paul  
 SMITH, Karon Lesley (M)  
 SMITH, Kathryn Anne  
 STAYTE, Heathcliffe Vaughan (M)  
 STEVENTON, Charlotte Catherine  
 STEWART, Sam Alexander

STILWELL, Sofia de Carvalho (EU)  
 TAIT, Caroline  
 TARABORELLI, Justino  
 TAYLOR, Benjamin Michael (M)  
 TEELOCK, Shalini (O/S)  
 TILTMAN, Sarah Lorraine  
 TUCK, Stephen William  
 TURNER, Jonathan Michael  
 USMAR, Helen Marie  
 VICKERS, Emma Susan  
 YRAKAS, Apostolos (EU)  
 WAITE, Victoria Jane  
 WARNER, Oliver Mark Lawrence  
 WHITE, Mark Laurence  
 WHITTALL, Helen Margaret  
 WIDGERY, Huw Robert  
 WISDOM, Emma Joanne  
 WYCH, Beverley Edith  
 YEO, Mathew John  
 YUSVANA, Rama (M)(O/S)

Key: (H) = Home  
 (EU) = European Union  
 (O/S) = Overseas  
 (M) = Mature

## YEAR II

ABERY, Anne-Marie  
 ADAMS, Matthew John  
 AJAI-AJAGBE, Patrice Francine  
 APPLEBY, Lucy Jane  
 ARIS, Charlotte Jane  
 AYERS, Simon Paul  
 BAGSHAW, Edward Frank  
 BAILEY, Nicola Rianne  
 BARKER, Katherine Anne  
 BATCHELOR, Helen Louise  
 BEECHEY, Allen James  
 BELTON, Laura Jane  
 BERROW, Penny  
 BRADLY, Lucy  
 BRAMWELL, Claire Jean  
 BRASSEY, Adam  
 BRIDGES, Richard Paul  
 BROWN, James  
 BURRELL, John James  
 BURROWS, David Graham  
 CARRINGTON, Claire Louise  
 CARTER, Katherine Sarah  
 CASHMORE, Leah  
 CHAN, Sau Man Doris (O/S)  
 CHAWLA, Paramjott Kaur (Miss)  
 CHILDS, Thomas  
 CHIN, Baw Hong Azis bin (O/S)  
 CHOLERTON, Nicola Anne  
 CLENCH, Timothy Adam  
 CLOSE, Nicola Helen  
 COLLINS, Mark Edward  
 COOKE, Timothy John  
 COWLING, Helen  
 CREEK, Susan  
 CRISALL, Andrew John  
 CROOK, Suzanne Elizabeth  
 CROZIER, Elaine Ann  
 DANDO, Philip Michael  
 DAVIDSON, James Matthew  
 DAW, Susan Margaret (Mrs)  
 DENT, Anita Jane  
 DOUGLASS, Samuel John  
 DREW, Richard Stanley  
 DUGGLEBY, Edward John Bernard

ECKLEY, Toby Pryce  
 ESSERY, Scott Robert  
 FAGAN, Richard Robert  
 FIRTH, Clair Louise  
 FLATT, Simon John  
 FOWELL, Helen Claire  
 GAMBLE, Anthony Ronald  
 GILBERT, Ceinwen Ellen  
 GRANGER, Asa (Mr)  
 GRAVES, Kathryn Anne  
 GREEN, Mark Philip  
 GRIFFIN, Jane Louise  
 GRIFFITHS, Wendy Veronica  
 HADDON, Quinton David  
 HAILS, Dawn Patricia  
 HALL, Kerry Louise  
 HALL, Samantha Jane  
 HAMPSHIRE, Nicola Jane  
 HAMPSON, Alexander James  
 HANCOCK, Neil Gordon  
 HARMSTON, Rebecca Ruth  
 HASSAN, Hasfahinda Mohamed (O/S)  
 HAYES, Gregory Hugh  
 HELYER, Adam Louis  
 HIGGS, Matthew John  
 HINDLEY, Eve Madelaine  
 HOPSON, Graham Duncan  
 HOSANY, Richard  
 HOWELL, Emma Charlotte  
 IBRAHIM, Roshita (Miss) (O/S)  
 IVES, John Richard  
 JONES, Benjamin David  
 JONES, Emily Catherine  
 JONES, Guy John  
 JONES, Helen Elizabeth  
 KERR, Laura  
 KING, Nathalie Ghislaine  
 KNOWLES, Matthew John Kempster  
 KO, Hilda Hiu Man (O/S)  
 KUMARASINGHE, Damion Marc  
 LAVELLE, Colin Anthony Peter  
 LAWLESS, Emma Ann  
 LEADER, Adrian Charles  
 LING, Georgina Kate  
 LOVELL, Richard Edward

MARSHALL, Sarah Rachelle  
 MATHIE, Helen Rebecca  
 MAT ISSA ZAKARIA, Zuraini  
 (Miss) (O/S)  
 MCCARTHY, Simon John  
 McLAUGHLIN, Lucy  
 MD TAHIR, Mimi Fadzury (Miss) (O/S)  
 MILLARD, Nicola Rosalind  
 MOORE, Anna  
 MORRIS, Alexandra Grace  
 MUSSON, Joanna Elizabeth  
 NADANY, Mark Stefan  
 O'NEILL, Virginia Carmel  
 OLIVER, Steven  
 ORWELL, Michael David  
 OVENELL, John William  
 PEARCE, Matthew William  
 PHIPPS, Susan Jane  
 PINCOTT, James Alexander  
 PLATTS, Elanor Mary  
 POLKEY, Jane Belinda  
 POPPLEWELL, Matthew Kenneth  
 PRESTON, Andrew  
 QUARTERMAN, Emma Matilda Louise  
 RAYNE, Charlotte Elisabeth  
 RIGBY-SINGLETON, Shellie Melinda  
 ROBERTS, Rosemary  
 ROGERSON, Rebecca  
 ROSE, Daniella Hayley  
 RUDD, Garry John  
 RUDD, Isobel Anne  
 RUNNIE, Irine (Miss) (O/S)  
 SAMAD, Asrar Hossain (Mr)  
 SCOTT, Emma Louise  
 SENIOR, Kimberly Jayne  
 SHARIF, Nazrah binti (Miss) (O/S)  
 SIMPSON, Edward James  
 SPRENT, Michelle  
 SPURR, Michael Alfred James  
 STEUART-FOTHRINGHAM, Teresa C F  
 STUBBS, Marion Jane  
 SWALLOW, Toby James  
 THOMPSTONE, Christopher Paul  
 THWAITES, Sarah  
 TILLEY, Robert Nicholas (E/U)  
 TOMLINSON, David  
 TOOVEY, Stuart

TOWN, Susanna Claire  
 TRAYHORN, Stuart Richard  
 TSE, Joanna Chung-Yah (O/S)  
 TURNER, Lesley Anne  
 TURNER, Michelle  
 VARU, Anand (Mr)  
 VASSILIOU, Marios (O/S)  
 VEZYROGLOU, Antonis (EU)  
 WALKER, Melanie (EU)  
 WARD, Grant Lee  
 WATTS, John Darren  
 WEBB, Stephen James  
 WESLEY, Julie Marie  
 WESTCOTT, James Richard  
 WHELDON, Sarah Jane  
 WIGLEY, Timothy Christian Stuart  
 WILCOX, Alexander Benjamin  
 WILLMER, Juliette Marie  
 WOOD, Alexandra Claire  
 WYNTER, Kim (Semester 3 Entry)  
 ZULFICAR, Tariq Said (EU)

### YEAR III

BARRACLOUGH, Sarah Louise  
 BEARD, Justin Lea  
 BICKERDIKE, Andrew James  
 BISHOP, Stephen James  
 BLACKMAN, Carla Jayne  
 BRADLEY, Simon Richard  
 BRANKIN, Victoria (Mrs)  
 BRICKELL, James David  
 BROADWITH, Nicholas Michael  
 BROPHY, Sinead  
 CARTER, Teresa Lynn  
 CHAPLIN, Hannah Elizabeth  
 CHUGTAI, Afsha Sumera (Miss)  
 CLARK, Matthew James  
 CLARKE, Tessa Rachael  
 CODLING, Darren  
 COKAYNE, Mark William Edward  
 COMPTON, Adrienne Claire  
 CORRIDAN, Maurice Joseph  
 COX, Jonathan Howard  
 COXHEAD, Nicholas Paul  
 CZARNOBAJ, Peter John  
 DALE, Lisa Miriam  
 DILLING, Matthew Morgan  
 DODSWORTH, Lisa Clare  
 EATON, Richard John  
 ELLIS, Matthew Charles  
 ENDACOTT, Simon Charles  
 FERGUSON, Elizabeth Mary  
 FINDLAY, Caroline Louise  
 FORMAN, Robert Thomas  
 FORREST, Helen Rachel  
 FRANKLIN, Mark Peter  
 GACHUCHE, Idah Christine  
 Wairima (O/S)  
 GARDINER, Michael Peter John  
 GENEVER, James Alexander  
 GIBBONS, Megan Rosemary Darmon  
 GLOVER, Kerry  
 GOODLIFF, Christian James  
 GOSTELOW, Helen Elizabeth  
 GREEN, Matthew  
 HAIGH, Jonathan Marcus  
 HAJI MOHAMAD, Rohaya (Miss) (O/S)  
 HAMMOND, Louise Elizabeth  
 HENRY, Mark Benedict Luke

HERRLOFF-ANWAR, Annette  
 Maria (Mrs)  
 HEWITT, Alison Victoria  
 HEWITT, Martyn Bryan  
 HOLDCROFT, Lisa  
 HORSLEY, Emma Jayne  
 JAGER, Justin Theunis  
 JEWSON, Kate Eloise  
 JONES, Alison  
 JONES, Gillian Ruth  
 KEEBLE, Alison Louise  
 KEENAN, Sarah Elizabeth Louise  
 KIDD, Adrian Marcus  
 KLIMCKE, Emma Jane  
 LANGEN, Petra  
 LATHAM, Caroline Jane  
 LEIGH, Fiona Jane  
 LIDDLE, Nicholas Eric  
 LIGHTFOOT, Hilary  
 MacKENZIE, Michael David  
 MALIN, Melanie Anne  
 McKENZIE, Claire Alexandra Laura  
 MOSES, Rhiannon Mair  
 MURRISH, Philip Christopher  
 NEAL, Janet (Mrs)  
 NEEDHAM, Katherine  
 NEWCOMBE, Richard David  
 NOWICKI, Karen Theresa  
 O'BOYLE, Christopher Peter  
 O'NEILL, Emmeline E. Marivonn  
 PARRY-BAGGOTT, Claire  
 PIKE, Mervyn David  
 PINK, Matthew James  
 PURCHALL, Timothy Julian  
 RAFFERTY, Kevin  
 REARDON, Lucy Victoria  
 REID, Karen Louise  
 RICHARDSON, Joanna Louise  
 ROBERTSON, Morwenna  
 Elizabeth Margaret  
 ROOKE, Ann-Marie  
 ROSE, Marion  
 ROUTLEDGE, Naomi Barbara Helen  
 RUSBY, Duncan Lloyd  
 SCHOFIELD, Jill Marie  
 SCHROEDER, Gavin Neil



SERVINI, Matthew Owen  
 SHARP, Nicola Dawn  
 SHARPE, Douglas Peter  
 SIMPSON-WARD, Lorraine  
 SMITH, Rebecca Jane  
 SOLOMOU, Marios (O/S)  
 SOUTH, Heather Elizabeth  
 STATHERS, Richard Mark  
 STEVENSON, David William  
 SUTTON, Philip John  
 TARLTON, Angela Jean  
 TARRACH, Lecann  
 TAYLOR, Penelope Kay  
 THOMPSON, Angela Victoria  
 TIMBS, Angela Isabel  
 VINE, Adrian Marcus  
 WARNE, Alexander Ian  
 WATKINS, Nicholas Vaughan  
 WHITE, Peter Gerald  
 WHYSALL, Ruth Frances  
 WICKS, Hannah Clare Francis  
 WILSON, Kathleen Anne  
 WRIGHT, Heather Margaret  
 YONG, Boh Ling (Sem 6 only) (O/S)  
 YORKE, Jonathan Paul  
 YUEN, Queeny Wing Han

The following students resume their studies in the next academic year.

BRABBS, Alexandra Claire  
 BULLEN, Michael John  
 CARTER, Sarah Elizabeth  
 CHINNERY, Sally Elizabeth  
 COMBER, Alexis John  
 COULTHARD, Anne Kathryn  
 DAVIES, John George  
 DENNISON, Paul Edward  
 FAIRHURST, Jessica Mary  
 FOLEY, David Anthony  
 FUNNELL, Helen Claire  
 GARNETT, Anthony Paul  
 HANN, Victoria Jane  
 KING, Madeleine Anne  
 LAURIE, Alexander Henry Gale  
 LAWSON, James Robin  
 LOCK, Adam Leslie  
 MOGER, Clare Lucy  
 MOSS, Stephanie Ann  
 PORTER, Mary Hains  
 SECKER, Gregory John  
 STEVENSON, Thomas Leslie  
 THORNTON, Jacqueline Ann  
 TOWNSON, Mark  
 VALLANCE, Jayne Louise  
 WATERS, Rachel Marian  
 WILLIAMS, Katie Emma

#### YEAR IV

CAMERON, Jane  
 CRISP, Robert Donald  
 DUNN, Melissa Claire  
 FOGG, Suzanne Alexandra Chloe  
 FRANCE, Heather  
 GREGSON, Christopher Mark  
 HAIGHTON, Mark William  
 MARKIE, Rowen Clare  
 MORLEY, Adrian Sherwin  
 RAYNER, Oriel Jane  
 SLAUGHTER, Desmond  
 SWIFT, Joe Alexander  
 TAYLOR, James Andrew  
 THOMAS, Charles Llewellyn Wynne  
 TURNER, Christine Lorraine  
 TURNER, Flora Rosalind  
 WINGFIELD-HAYES, Georgina Persis

# POSTGRADUATE LIST

## NAME AND FIRST UNIVERSITY

Abaye, Daniel Adade, Science & Technology, Kumasi, Ghana	PES
Ahmad, Zulfiqar, Faisalabad, Pakistan	AH
Akhtar, Mahmood, Karachi, Pakistan	ABFS
Akhtar, Mohammad Shaheen, Punjab, Pakistan	PES
Al-Khalifah, Nasser Saleh, King Saud, Saudi Arabia	AH
Allison, Richard David, Nottingham	AH
Alpuche-Solis, Angel Gabriel, Irapuato, Mexico	PES
Alvarez Perez, Jose Luis, Madrid, Spain	PES
Ashby, Conrad Philip, Newcastle	PES
Atkinson, Jane, Nottingham	ABFS
Atkinson, Paul Anthony, Oxford Polytechnic	ABFS
Atkinson, Steven, Portsmouth	ABFS
Auld, Peter Richard, Bishop Burton College of Agriculture	AH
Austin, Sean, Robert Gordon University	AH
Baba, Abdul Rashid, Pertanian, Malaysia	AH
Back, Inger, Aalborg, Denmark	ABFS
Bannayan Avval, Mohammad, Ferdowsi, Iran	PES
Bari, Farida Yesmin, Bangladesh	AH
Barker, Anthony David Purslove, Nottingham	AH
Barnard, Faye Marie, Reading	ABFS
Barney, Elaine Lisa, Leeds	ABFS
Bell, Elanor Margaret, St Andrews	PES
Beresford, Nicholas Anthony, Lancashire Polytechnic	PES
Billon, Christelle, Institut National Agronomique, Paris	ABFS
Bird, Kristina Jane, Bristol	PES
Bong, Liman, Pertanian, Malaysia	AH
Broadhead, Jeremy Stephen, Edinburgh	PES
Brocklehurst, Timothy Frederick, City College, Norwich	ABFS
Brown, Stephen, Nottingham	PES
Bruce, Jennifer Susan, Nottingham	ABFS
Buchanan, Karen Michelle, Nottingham	PES
Bullock, Natalie Rebecca, Leeds	ABFS
Burridge, Brett Eric, Wye, University of London	ABFS
Butter, Nicola Louise, Nottingham	ABFS
Butterworth, Julie, Leeds	PES
Cahyani, Moon Ikram, Pertanian, Bogor, Indonesia	AH
Carey, Annette Teresa, University College, Dublin	ABFS
Cartwright, Ewen James, Nottingham Trent	PES
Chanda, Crispin Tumeo, Zambia	AH
Channell, Guy Andrew, Hatfield Polytechnic	ABFS
Chapman, Claire, Northumbria	ABFS
Charlton, Dale, Wolverhampton Polytechnic	ABFS
Chen, Guoping, Huazhong, China	PES

Choo, Bee Khim, Royal Melbourne Institute of Technology, Australia	ABFS
Church, Nigel William, University of London, Wye College	AH
Clark, Sandra Jill, Bristol	PES
Clarkson, Alison Marie, East London	PES
Claydon, Kim Emmett, Polytechnic South West	AH
Clover, Gerard Robin Guy, Bristol	AH
Cresswell, Stephen, Derby	AH
Crilly, Robert Eoin, Cambridge	PES
Dancey, Emma Jane, Warwick	ABFS
Dare, Diane Julie, Kingston Polytechnic	ABFS
Deacon, Matthew Paul, Aberystwyth	ABFS
Deljou, Ali, Tarbiyat Modaress, Iran	AH
Delpire, Veronique Charline, Universite libre de Bruxelles	PES
Demmers, Theodorus Gerardus Maria, Wageningen, Netherlands	PES
De Nobili, Maria, Padua, Italy	PES
Deuchar, Christopher Norton, Nottingham	PES
Dickinson, Joanne Helen, Birmingham	ABFS
Dietz, Toni Herbert, Bangalore, India	AH
Dines, Louisa Jane, Bristol	AH
Dismore, Sally Deborah, Nottingham	AH
Dodd, Sara, Brunel	ABFS
Donkin, Angela Jane Macmillan, Newcastle	ABFS
Downs, Susan Lesley, Open University	ABFS
Drakley, Catherine, Nottingham	AH
English, Philippa Jane, Leicester	PES
Evans, Judith Anne, Edinburgh	ABFS
Farhat, Imad, Nantes, France	ABFS
Farrelly, Vincent, UCG, Galway, Ireland	ABFS
Fernandez Quintero, Alejandro, University Del Valle, Colombia	ABFS
Flechar, Christophe Raymond, Ecole Superieure D'Agriculture, France	PES
Galer, Anne Michele, Newcastle	PES
Gape, Helen, Birmingham	ABFS
Gibson, Paula Thomson, Leeds	ABFS
Gillett, Andrew George, Newcastle	PES
Goodwin, Nigel, Sussex	PES
Gorton, Peter, Open University	AH
Greathead, Henry Michael Rivers, Nottingham	ABFS
Greenwood, Fiona Kate, Nottingham	PES
Griffin, Jonathan Michael, Nottingham	AH
Hall, Esther, University of London, Wye	ABFS
Hassan Bin Said, Pertanian, Malaysia	PES
Hau, Miranda Yuen Man, Nottingham	ABFS
Hawkins, Christina Elizabeth, Natal Technikon, South Africa	ABFS
Hawkins, Edward, Manchester	PES
Haysman, Stuart, Brunel	AH
Hebblethwaite, John Stephen, Nottingham	ABFS



Hemingway, Katrina Marie, De Montford, Leicester  
Henderson, Anna Rosalind, Edinburgh  
Holder, Philip, Aberdeen  
Hopkinson, Jill, Leeds  
Hopwood, Andrew John, Thames Polytechnic  
Howard, Stephen Blair, City of London Polytechnic  
Huang, Ji-Wei, National Taiwan University, China  
Hussain, Ahmed, Wolverhampton  
Hwang, Hwei-Tein, National Taiwan Normal University, Taiwan  
Ingham, Kate Elizabeth, Reading  
Jay, Chantelle Naomi, Oxford  
Jenkins, Elizabeth Sarah, University of the West of England  
Jeong, Chang Yoon, Seoul, Korea  
Johnson, Sharon Maureen, Liverpool  
Jones, Eleanor Clare, Sheffield  
Jones, Felicity Anne, Nottingham  
Joyce, Ieuan Michael, Aberystwyth, University of Wales  
Kaparakis, Georgios, Aristoteliou, Thessaloniki, Greece  
Kedward, Claire Julie, Durham  
Kershaw, Stephen John, Liverpool  
Knowles, Jeremy John, Greenwich  
Kok, S Samil, Ankara, Turkey  
Landau, Sabine, Rotenburg, Germany  
Lane, Jeanette Marcia, Reading  
Los, Martin Thomas, Nottingham  
Lott, James Estlin, Wales, Aberystwyth  
Maddock, Mark Stephen, Manchester  
Mat Easa, Azhar Bin, Nottingham  
Mat Hashim, Dzulkifly Bin, Leeds  
McDowell, Philip William, Edinburgh  
McWilliam, Simon Charles, Nottingham  
Meeks, Robin, Nottingham  
Melvin, Jennifer Lilian, Strathclyde  
Micallef, Alfred, Malta  
Millar, Kate McCallum, Leeds  
Miller, Andrew Thomas, Nottingham  
Mills, Sarah Victoria, Queen Mary & Westfield, University of London  
Mohd. Aris, Siti Norismah, Malaya, Malaysia  
Moore, Colin John, Nottingham  
Moss, Angela, North East Surrey College of Technology  
Mpunami, Anatolia Anthony, Dar-Es-Salaam  
Nazli, Aisha, Karachi, Pakistan  
Nicol, Nicola Tzena, Nottingham  
Norton, Clive Richard Thomas, Nottingham  
Nyamudeza, Phibion, Zimbabwe  
Ogden, Sharon Kay, Nottingham Trent  
Ogilvie, Jane, Nottingham  
Omar, Ibrahim, University Agriculture, Malaysia

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Owen, Heather Carole, Nottingham  
Parrinder, Rebecca, Nottingham  
Paterson, Lorna, Nottingham  
Payton, Sharon, Nottingham  
Peachey, Sarah Elizabeth, Oxford Brookes  
Petersen, Suzanne Tove, Liverpool  
Prima, Valerie, National Agronomic Institute, France  
Probert, Lynette Dawn, Nottingham  
Reid, Carole Louise, University College of North Wales  
Resende, Luis Manuel, Technical University of Lisbon, Portugal  
Richards, Sion Emyr, Nottingham  
Ridgway, Timothy John, Durham  
Ropkins, Karl, University of Wales  
Roy, Helen Elizabeth, Southampton  
Royal, Melissa Dawn, Hull  
Sanders, Marjorie, Royal Society of Dairying  
Shamudzarira, Zondai, Zimbabwe  
Sharma, Naresh Kumar, Haryana Agricultural, Ludhiana, India  
Sharman, Rachel Louise, Bradford  
Shimai, Hiroo, Tokyo, Japan  
Shores, Ellen Marie, Brunel  
Short, Fiona Jane, Newcastle  
Silkowski, Helena, Leicester  
Silvester, Leigh Murray, Trent Polytechnic  
Simons, Howard, Nottingham Trent  
Sims, Catriona Margaret, Bath  
Singh, Rakesh Bhushan, Allahabad, India  
Singleton-Jones, Paul Richard, Nottingham Trent  
Smith, Graham Paul, Bath  
Smith, Simon Peter, Nottingham  
Snewing, (nee Gilchrist) Joanne, Nottingham  
Soloki, Mahmud, Oroumieh, Iran  
Squire, Elizabeth Elaine, Nottingham  
Steele, Katherine Andrea, Nottingham  
Sutcliffe, Charlotte Carolyne, Leeds  
Temu, Honest Emil Marcus, Sokoine, Tanzania  
Thompson, Jacquelyn Michelle, Leicester  
Tian, Susan Jane, Sheffield  
Turnpenny, John Robert, Reading  
Unal, Yucal, Selguk, Turkey  
Wakeman, Wendy Gillian Vanessa, Leeds  
Walker, David James, Reading  
Wallace, Andrew David, East Anglia  
Wan Mustapha, Wan Aida, Kebangsaan, Malaysia  
Whitaker, Sarah Louise, Nottingham  
Whitley, Elizabeth Jane, Seale Hayne College  
Wickramasinghe, Ururu Liyanage, Peradeniya, Sri Lanka  
Wilcock, Peter, York

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Wilkes, Malcolm Stuart, Leeds  
 Woodrow, Sandra, Liverpool  
 Wulansari, Ratri, University of New South Wales, Sydney, Australia  
 Yeh, Yuch-Yang, National Pingtung Inst. of Agriculture, Taiwan  
 Zainal, Zamri Bin, Kebangsaan, Malaysia

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#### Abbreviations for the Postgraduate list

ABFS	Applied Biochemistry and Food Science
AH	Agriculture and Horticulture
PES	Physiology and Environmental Science

#### NOMINATIONS FOR THE AWARD OF EXHIBITIONS AND PRIZES

##### UNIVERSITY EXHIBITIONS

Awarded on the results of the Part I examinations as incentive and encouragement to scholarship and study.

Mark William DICKIN  
 Maarten FONTEIN  
 Nicholas David REYNOLDS  
 Benjamin RODGERS  
 Matthew Paul SKELLERN (Cooper Prize)

##### ASHGATE PRIZE

Awarded to the best student in the final year in Horticulture.

Marios SOLOMOU

##### BELPER PRIZE

Awarded to the best student in the final year in Agricultural and Food Sciences.

Morwenna Elizabeth Margaret ROBERTSON

##### SIR BASIL BLACKWELL PRIZE

Awarded to the student with the best performance in Part I of the BSc examination.

Kathryn Anne GRAVES

##### CAMPBELL SCIENTIFIC PRIZES

Awarded to the student submitting the best dissertation containing elements of environmental instrumentation, measurement or mathematical modelling in BSc Environmental Science or Computing Applications modules.

James David BRICKELL

##### DALGETY PRIZE

Awarded to the student with the most outstanding performance in the BSc Part I (Level 2, Semester 3 modules) in Applied Animal Nutrition, Basic Nutrition, Introductory Biochemistry 2 and Mammalian Biochemistry.

Ceinwen Ellen GILBERT



#### DULLFORCE PRIZE

Awarded annually to the student with the highest marks in the final year in Environmental Horticulture.

Matthew Charles ELLIS

#### FARM MANAGEMENT ASSOCIATION PRIZE

Awarded to the best student in the final year in Management.

Richard John EATON

#### HAROLD GORE-BROWN MEMORIAL PRIZE

Awarded to the most meritorious student of the year in the Faculty of Agricultural and Food Sciences, taking account of contributions to the life of the Faculty, in addition to academic attainments.

Nicholas Michael BROADWITH

#### HORTICULTURAL RESEARCH ASSOCIATION PRIZE

Awarded to the student who attains the highest standard in a final BSc examination involving courses associated with field vegetables.

Marios SOLOMOU

#### HUMBER FERTILISER PRIZES

Awarded to the student with the highest average marks in the MSc Agronomy course.

Helen YEO

Awarded to the student with the highest project mark in the MSc Agronomy course.

Helen YEO

#### HYDRO-AGRI AWARD

Awarded to the student whose performance in the BSc Part I examinations is of outstanding merit.

Kathryn Anne GRAVES

#### J D IVINS MEMORIAL TRAVEL SCHOLARSHIP

Awarded annually to assist registered students of the Faculty of Agricultural and Food Sciences to travel abroad to further both their general education and specialist area of training.

Adam LOCK

#### LAMMING PRIZE

Awarded to the student who has submitted the best dissertation on a research project in Animal Physiology for the degree of BSc.

Victoria BRANKIN

#### LANDSMAN'S PRIZE

Awarded to the student with the highest marks in the BSc Part I examination.

Kathryn Anne GRAVES

#### LONGWILL PRIZE

Awarded to the best student in the final year in Agriculture, gaining the highest marks in the subject combination: Animal Production/Agronomy/Management.

Richard John EATON

#### JOHN MADOCKS PRIZE

Awarded to the final year student who is judged to have contributed to the work, well being and standing of the Department of Agriculture and Horticulture

Andrew James BICKERDIKE

#### MILLERS PRIZE

Awarded to the student who, having pursued a course including some aspect of the study of cereals, has also done most to contribute to the communal life of the Faculty of Agricultural and Food Sciences.

Suzanne Alexandra Chloe FOGG

#### THE PLANT SCIENCE PRIZE

Awarded to a student of exceptional ability in the Plant Sciences on the basis of their performance in the BSc Part I examinations.

Kathryn Anne GRAVES

#### GARY PORTER MEMORIAL PRIZE

Awarded annually to the best contributor to student productions (variety show or similar).

Nicholas Michael BROADWITH

#### J SAINSBURY FOOD STUDY PRIZES

Awarded to the students who at the end of the first year have shown the best all round contribution to university life supported by strong academic potential.

Gwendolin Leony ALPHONSUS  
Stewart John RADFORD

#### SHIELDS PRIZE

Awarded to the best student in the final year in Food Science.

Heather Elizabeth SOUTH

#### MENDEL STEIN FOOD SCIENCE PRIZES

Awarded to the students with the highest marks for a dissertation on a Food Science subject and in Food Microbiology in the final year of the BSc course.

Afsha Sumera CHUGTAI (Microbiology)  
Matthew Owen SERVINI (Food Science)

#### UNILEVER PLANT BIOTECHNOLOGY PRIZE

Awarded to the student with the highest overall dissertation mark for a molecular biology based project in Plant Cell and Molecular Biology, Environmental Plant Physiology or Plant Pathology.

Caroline Louise FINDLAY

#### UNILEVER PLANT SCIENCE PRIZE

Awarded to the student with the highest overall dissertation mark for a non-molecular project in Plant Cell & Molecular Biology, Environmental Plant Physiology or Plant Pathology.

Rowen Clare MARKIE

#### T K WARLEY PRIZE

Awarded to the student submitting the best essay written within 12 months of graduation from the University or written by a postgraduate currently registered for a Higher Degree at the University on one of the following subjects: Rural Business Management, Agricultural Marketing, Agricultural Policy in Western Europe or International Trade in Agricultural Products.

Zulficar AHMAD

#### ZENECA PLANT SCIENCE PRIZE

Awarded to the student with the highest aggregate mark in Plant Science, having taken a minimum of two-thirds of their BSc Part II modules and a project in Plant Cell & Molecular Biology, Environmental Plant Physiology or Plant Pathology.

Karen Theresa NOWICKI



## ACADEMIC STAFF SESSION 1995/6

### Dean of the Faculty of Agricultural and Food Sciences

Professor A P F Flint

### AGRICULTURE & HORTICULTURE

Professor of Agriculture & Head of Department	-	R.K. Scott
Reader in Animal Production	-	W. Haresign
Senior Lecturers		
Agronomy	-	S.N. Azam-Ali
Animal Production	-	P.C. Garnsworthy
	-	J. Wiseman
Horticulture	-	J.G. Atherton
Management	-	M.F. Seabrook
Lecturers		
Agronomy	-	D.J.C. Grindlay
	-	D.L. Sparkes
Horticulture	-	P.G. Alderson
	-	C.J. Wright
Management	-	S.J. Ramsden
	-	P. Wilson

### APPLIED BIOCHEMISTRY & FOOD SCIENCE

Professor of Applied Molecular Biology & Head of Department	-	G.S.A.B. Stewart
Professor of Applied Biochemistry	-	P.J. Buttery
Professor of Food Microbiology	-	W.M. Waites
Professor of Food Science	-	J.M.V. Blanshard
Professor of Food Technology	-	J.R. Mitchell
Reader in Flavour Technology	-	A.J. Taylor
Reader in Physical Biochemistry	-	S.E. Harding

Reader in Plant Biochemistry	-	G.A. Tucker
Senior Lecturers		
Applied Biochemistry	-	K.N. Boorman
Human Nutrition	-	R.J. Neale
Nutritional Biochemistry	-	A.M. Salter
Plant Biochemistry	-	G. Norton

Lecturers		
Applied Biochemistry	-	R.G. Bardsley
	-	J.M. Dawson
Food Microbiology	-	C.E.R. Dodd
	-	P.J. Hill
	-	C.E.D. Rees
Food Science	-	S.E. Hill
Food Chemistry	-	D.A. Gray

### PHYSIOLOGY & ENVIRONMENTAL SCIENCE

Professor of Animal Physiology, Head of Department & Dean of the Faculty	-	A.P.F. Flint
Professor of Plant Physiology	-	D. Grierson
Professor of Environmental Biology	-	J.E.M. Laybourn-Parry
Reader in Environmental Plant Physiology	-	C.R. Black
Reader in Reproductive Physiology	-	M.G. Hunter
Reader in Lactational Physiology	-	T.B. Mepham
Senior Lecturers		
Animal Physiology	-	R.W. Clarke
Environmental Science	-	K. Gregson
	-	J.A. Clark
	-	J.J. Colls
Plant Development	-	J.A. Roberts
Lecturers		
Animal Physiology	-	M.R. Luck
	-	V. Hayssen

Environmental Science	-	N.M. Crout
	-	S.J. Marshall
	-	S.D. Young
Plant Genetics	-	I.B. Taylor
Plant Molecular Biology	-	G.W. Lycett
Plant Pathology	-	M.J. Dickinson
	-	S. Rossall

#### ADMINISTRATION

Senior Assistant Registrar & Secretary of the Faculty	-	A.G.S. Whitting
Assistant Registrar	-	D.E. Crossland
Senior Clerk	-	B.J. Markey
Career Advisors	-	M.E. Thorne
	-	C.S. Lillie
Assistant Engineer	-	B.A. Stafford
Building Inspector	-	D.W. Burton
Warden, Bonington Hall	-	S.R. Thompstone
Hall Manager	-	D.T. Osman
I.T. Support Officer	-	L. Creighton

#### THE LIBRARY

Librarian	-	M.J.E. Noble
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#### OKA OFFICERS 1995-1996

President:	D Wheatcroft
Vice Presidents:	Professor W J Whittington, Miss A C Nowill, Professor J P Hudson, D G A Wheatcroft, S F Martin, R O Wood, Dr D W Pickard, W S Senior, Dr G R Foxcroft, G M Shepherd, Dr G Banks, P Bradfield, S A Cramer
Chairman of the Committee:	Dr W Haresign
Secretary:	Dr M R Luck
Asstnt Secretary:	Dr D Sparkes
Reunion Secretary:	C Drakeley L Probert
Treasurer:	Dr J Wiseman
Auditor:	Miss A C Nowill
Committee:	Dean (Professor A P F Flint) Warden of Bonington Hall (Dr S R Thompstone) Editor of Agrimag (Dr R G Bardsley) President Treasurer Secretary Auditor Student Guild Treasurer Student Guild Secretary Reunion Secretary Convocation Representative Student Editors of Agrimag



OKA COMMITTEE MEETING and 69th ANNUAL GENERAL MEETING

Committee Room 11.00, Saturday 18 November 1995

Present: Will Haresign (in the Chair), Julian Wiseman, Martin Luck, Stuart Thompstone, Mark Collins, Nick Broadwith, Ruth Jones, Debbie Sparkes, Peter Bradfield, Owen Wood, Stan Cramer, Anne Nowill, Dick Whittington, David Wheatcroft.

1. **Apologies for absence**

Received from: Tony Flint, Keith Scott, Stuart Senior, Ron Bardsley, Jamie Wanless, Richard Allison, Janine Luck, Avril Haresign

2. **Minutes of the last meeting, 19 November 1994 (printed in Agrimag 1995)**

Approved and signed.

3. **Matters arising**

Minute 10 The Secretary reported that the Centenary Celebrations took place in May, as described in Agrimag, and that the Sports Hall had been named the Kingstonian Sports Hall.

Minute 11 Jamie Wanless had agreed to take over from John Reed as Convocation Representative.

4. **Secretary's report**

a) September Reunion 1995. This took place on the 16-17 September, with the following target years: 1948-1957, 1965, 1970, 1975, 1978-83, 1985. A new format was adopted, concentrating on the Saturday events and offering accommodation for the Saturday night only. The event attracted a large number of ex-students; 150 attended the Reunion Dinner, making it the largest event of its kind so far. Dick Whittington spoke at the Dinner. The research talks on Saturday morning were very well attended and enthusiastically received. A creche service was offered in response to demand in previous years, but this was not requested. Some slight problems arose during the day due to double booking of the College for the weekend; this has since been sorted out with the Hall management.

b) The 1996 Reunion will be held 21-22 September and will be targeted at graduates from 1956, 1966, 1976 and 1983-1988.

Peter Bradfield initiated a discussion on the possibility of a special OKA tie to mark the Centenary. There was some support for this idea but the general feeling was that the opportunity had been missed. The possibility of gathering historical information together into a unified history of the Faculty was also discussed. Several different sources were suggested including existing reports and photographs. There was general agreement that such a publication might be an appropriate way to celebrate the 75th anniversary of OKA.

5. **Treasurer's report**

a) The Treasurer reported that Membership of the Association was stable, despite the recent increase in the subscription to £5. Following changes to the financial arrangements for the November reunion, resulting from changes in the law on students' union management, subscriptions were now more important in making the accounts balance. The Warden was pleased to report that, partly because of a healthy balance in the fund from student fines, he was able to subsidise the current November Reunion ticket price by £2.

b) Recruitment of new members remained a priority and the student representatives agreed to help publicise OKA to newly graduating students.

c) Reference was made to the increasing role of Convocation in University fund raising activities. It was suggested that OKA should have a clear policy over the use of OKA membership details in such appeals. Whilst all graduates become automatic members of Convocation, membership of OKA is voluntary and involves a subscription. Convocation should therefore only be allowed to appeal directly to OKA members with OKA's formal agreement. There was also a feeling that OKA could be better informed about the activities of the appeals office. Will Haresign agreed to write to the Dean (cc. John Blanshard, Tony Whitting, Convocation) about this.

d) The Treasurer expressed his continued gratitude to Anne Nowill for auditing the accounts.

6. **Reunion Secretary's report**

Catherine Drakeley and Lyn Probert reported that Reunion tickets (£7) were selling well and that a good attendance at this year's event was anticipated. The Chairman expressed OKA's thanks to the Reunion Secretaries for their efforts.

7. **Agrimag Co-ordinators report**

Ron Bardsley reported, through the Secretary, that this year's production had gone very smoothly largely because of the proactive efforts of the Student Editors, Will Haresign's liaison with the printers and Jose Newcombe's secretarial help. The result was an excellent Centenary Edition with higher quality articles including some research news. The students had responded well to requests for fuller information in club and society reports.

The Chairman reported that several favourable comments had been received, including from John Blanshard (retiring Dean) and that he had written to Ron to congratulate him on a successful production. The Treasurer reported that efforts were continuing at Faculty and Department (A&H) level to obtain designated financial and secretarial support for Agrimag and the September Reunion.

The Student Editors for next year's Agrimag were announced as James Brown, Alex Callaby, Emma Wisdom and Stuart Horwood.

#### 8. Photographic Archive

Stan Cramer reported that so far a total of 212 photographs had been conserved and archived in standard format in the Library. Each had a note of its content. Pictures of sports teams from 1910-1950 had not been included as these were very numerous and sufficient funds were not available (£2.50 per picture). In addition, David Crossland's office contained some 25 or so scroll photos which would cost £5 each to photograph for negative preservation. Subsequent work was done by the manuscript department without charge.

Will Haresign thanked Stan for his tremendous effort in rescuing the photographic archive and undertook to approach the Faculty for further funding. There was a general feeling that submissions of recent photographs should be encouraged. These could be sent either directly to Stan Cramer or to Martin Luck for forwarding. The Warden suggested that larger photographs could be framed and used to decorate walls in the planned new student/amenities building.

#### 9. J.D.Ivins Memorial Travelling Scholarship

This was awarded to Hannah Chaplin (2nd yr u/g) to visit Kentucky and study the American experience of BST.

Dick Whittington drew attention to the possibly misleading impression, given on P54 of Agrimag, that the Ivins Scholarship resulted solely from OKA and Faculty donations. He reminded the meeting of the involvement of the Ivins family in the award.

#### 10. Election of officers

All existing officers were re-elected unopposed.

The present Reunion Secretaries, Catherine Drakeley and Lyn Probert, agreed to serve for a further year.

Mr Tony Whitting, the Faculty Secretary and Senior Assistant Registrar, was proposed (P. Bradfield, sec. Owen Wood) as a Vice President in recognition of his outstanding contribution to the life and work of the Faculty and, in particular, his concern for student wellbeing. This was unanimously agreed.

It was proposed (Will Haresign, sec. Martin Luck) that Debbie Sparkes be elected to a newly formed post of Assistant Secretary. This post would carry with it membership of the OKA Committee. Carried nem con.

There being no further business, the meeting closed at 12.25.

**Martin Luck (Secretary)**

## FROM OKA ARCHIVES

### FACULTY PHOTOGRAPHIC COLLECTION

We now have nearly 300 photographs of scenes and people at the Kingston and Sutton Bonington campuses covering the years from 1895 to the present day. These have been copied by Mike Beard, the Faculty Photographer, to a standard 5" x 4" size and with notes about the scenes they are mounted in albums kept in the Faculty Library. Some of the originals have been kindly sent for copying by OKA members but most have been kept over the years in various College and Faculty offices.

The roll photographs of all staff and students taken in the years to 1966 are being copied and properly preserved. In this part of the Collection we are missing some years and would be grateful to have copies. The missing years are: pre 1929, 1931, 1932, 1933, 1934, 1937, 1940, 1943, 1944, 1945, 1946, 1947, 1948, 1950, 1952, 1954, 1956, 1958, 1959, 1960, 1962, 1964 and 1965. Please send to Stan Cramer, c/o The Faculty Library.

The other work done involves gleaning background information on the photographs which has included photocopying press cuttings about the College in the 1920's and 30's on to acid free paper and a digest of the Minutes of the Meetings of the Governing Body from 1895 to 1947. These are held in six bulky volumes in the Manuscripts and Special Collections section of the Hallward Library, University Park and the Digests are in the Faculty Library.

**Stan Cramer**

### 1930 MINUTES

*The Midland Agricultural College in 1930, as recorded in the minutes of the meetings of the Governing Body*

In his report to the Governing Body on the 27th January 1930, convened as was the usual practice in the Shire Hall, Nottingham, the Principal (Dr. Thomas Milburn) regrets the severe congestion in the Dining Hall. Present students will know this as the ground floor of the Periodicals Room of the Library. The problem was to be partly resolved by the extension of the room into the gap which separated it from the Entrance Hall, which was eventually done in 1936.

Student numbers in October 1930 were as follows:

Agriculture	32
Farm pupils	2
Horticulture	3
Dairying	30
Poultry keeping	24
Miscellaneous	3



This made a total of 94 and in his report the Principal records that 75% came from the College area, that is the counties of Leicestershire, Derbyshire, Nottinghamshire, Rutland and the Lindsey Division of Lincolnshire.

This was a year of tree planting. At the meeting of the Governing Body on the 27th January, the Finance and General Purposes Committee reported that the avenue of thirty lime trees between the Dairy and the farm buildings had been planted and acknowledged the gift of half of them from Lord Belper, Chairman of the Governing Body.

There had been an appeal to OKA members for trees during the year and in the Minutes for January 26th 1931, it was recorded that 54 trees had been purchased as a result with a formal planting taking place on the 20th December, the morning after the OKA Annual Dinner and dance. It was said that the avenue was planted between the orchard and the farm and joined up to the staff avenue planted earlier in the year. It was to be known as the "Kingstonian Avenue".

At the same meeting, gifts from Lord Belper were noted of two silver pines for the circles at the back of the Dairy, numerous larch poles required for the rambler roses which had been planted alongside roads leading to the two hostels and a fine "stag's head" for the Entrance Hall of the Main Building. The record shows that "His Lordship's generosity in these matters is gratefully acknowledged."

Stan Cramer

#### LIST OF FORMER OFFICERS

It has been suggested that members would be interested in a complete record of former Officers of the Association. The following list has been extracted from the records and any corrections will be welcomed.

Year	President	Chairman	Secretary	Assistant Secretary	Treasurer
1921	Dr Goodwin	Dr Goodwin	GH Russell		JS King
1922	F Wakerley	F Wakerley	J Gibson	LR Doughty	JS King
1923	J Gibson	J Gibson	Miss EC Bates	F Raynes	JS King
1924	LA Thompson	LA Thompson	CW Roberts	LR Doughty	JS King
1925	J Parsonage	J Parsonage	CW Roberts	LR Doughty	JS King
1926	JS King	JS King	LR Doughty	GW Lock	CW Roberts
1927 - 1928	F Rayns	F Rayns	GW Lock	SM Makings	CW Roberts
1929	Dr HS Holden	Dr HS Holden	GW Wilkinson	HK Stroude	CW Roberts
1930	J Duncan	J Duncan	CW Roberts	SM Makings	CW Roberts

1931	JK Knowles	JK Knowles	WE Heath	SM Makings	CW Roberts
1932	DW Lansdown	DW Lansdown	WE Heath	SM Makings	CW Roberts
1933	GW Wilkinson	GW Wilkinson	WE Heath	SM Makings	CW Roberts
1934	HK Stroude	HK Stroude	WE Heath	SM Makings	CW Roberts
1935	HB Pickworth	HB Pickworth	HW Johnson	SM Makings	CW Roberts
1936	GD Bailey	GD Bailey	CW Roberts	SM Makings	RB Shaw
1937	Miss R Jackson	Miss R Jackson	CW Roberts	SM Makings	RB Shaw
1938	HT Cranfield	HT Cranfield	CW Roberts	SM Makings	RB Shaw
1939	CA Haspel	CA Haspel	CW Roberts	SF Martin	RB Shaw
1940	CA Haspel	CA Haspel	Miss PSevern Miss H Young	SF Martin	RB Shaw
1941 - 1943	CA Haspel	CA Haspel	Mrs T Jones	SF Martin	RB Shaw
1944	CA Haspel	CA Haspel	Mrs T Jones Miss M Brindley	SF Martin	RB Shaw
1945	WE Heath	WE Heath	Miss M Brindley	SF Martin	RB Shaw
1946	CW Roberts	CW Roberts	Miss M Brindley	Miss AC Nowill	RB Shaw
1947	J Doyle	J Doyle	Miss AC Nowill	SF Martin	RB Shaw
1948	JW Roland	JW Roland	Miss M Brindley	R Scott	RB Shaw
1949	FJ Sowerby	FJ Sowerby	Miss M Brindley	R Scott	RB Shaw
1950	SF Martin	SF Martin	Miss M Brindley	K Dexter	WE Heath
1951	RB Shaw	RB Shaw	Miss M Brindley	HF Barker	WE Heath
1952	JC Matthews	JC Matthews	Miss M Brindley	K Dexter	Miss AC Nowill
1953	RJ Slater	RJ Slater	Miss M Brindley	K Dexter	Miss AC Nowill
1954	AR Treble	AR Treble	Miss M Brindley	K Dexter	Miss AC Nowill
1955	WH Cragg	WH Cragg	Dr GE Lamming	RO Wood	Miss AC Nowill
1956	A Calder	Dr JP Hudson	RO Wood	A Brown	Miss AC Nowill
1957	Prof & Mrs HG Robinson	Dr JP Hudson	RO Wood	A Brown	Miss AC Nowill
1958	S Williams	Prof JP Hudson	RO Wood	JG Davidson	Miss AC Nowill
1959	Miss M Brindley	Prof JP Hudson	RO Wood	JG Davidson	Miss AC Nowill
1960	LM Waud	Prof JP Hudson	RO Wood	JG Davidson	Miss AC Nowill
1961	Mrs N McDermott	CA Stanger	Dr CG Payne	RO Wood	Miss AC Nowill
1962	IM Godfrey	CA Stanger	Dr CG Payne	RO Wood	Miss AC Nowill
1963 - 1964	R Scott	CA Stanger	Dr CG Payne	RO Wood	Miss AC Nowill

1965	Prof JP Hudson	DGA Wheatcroft	Dr CG Payne	RO Wood	Miss AC Nowill
1966	RF Norman	DGA Wheatcroft	RO Wood		Miss AC Nowill
1967 – 1968	Dr K Dexter	DGA Wheatcroft	BE Hill		Miss AC Nowill
1969	Dr AW Broome	DGA Wheatcroft	BE Hill		Miss AC Nowill
1970	Prof JD Ivins	DGA Wheatcroft	BE Hill		Miss AC Nowill
1971	Prof JD Ivins	DGA Wheatcroft	WS Senior		Miss AC Nowill
1972 – 1973	Prof JD Ivins	DGA Wheatcroft	Dr H Swan	DJ Hobson	Miss AC Nowill
1974 – 1975	Dr ME Marston	DGA Wheatcroft	WS Senior		Miss AC Nowill
1976	Dr ME Marston	WS Senior	Dr GR Foxcroft		Miss AC Nowill
1977 – 1978	GM Shepherd	WS Senior	Dr GR Foxcroft		Miss AC Nowill
1979	GM Shepherd	WS Senior	Dr W Haresign		Miss AC Nowill
1980	RO Wood	WS Senior	Dr W Haresign		Miss AC Nowill
1981 – 1982	RO Wood	WS Senior	Dr W Haresign		Dr J Wiseman
1983	Prof WJ Whittington	WS Senior	Dr W Haresign		Dr J Wiseman
1984 – 1985	Prof WJ Whittington	Dr GR Foxcroft	Dr W Haresign		Dr J Wiseman
1986 – 1988	WS Senior	Dr GR Foxcroft	Dr W Haresign		Dr J Wiseman
1989 – 1990	P Bradfield	Dr W Haresign	Dr A Taylor		Dr J Wiseman
1991	P Bradfield	Dr W Haresign			Dr J Wiseman
1992 – 1994	Prof RK Scott	Dr W Haresign	Dr MR Luck		Dr J Wiseman
1995	DGA Wheatcroft	Dr W Haresign	Dr MR Luck	Dr D Sparkes	Dr J Wiseman

NB: J Chatterton : Sports Secretary 1951 – 1963

Martin Luck and Stan Cramer

## OLD KINGSTONIAN ASSOCIATION

*Statement of Account for the year ending 31st December 1995*

EXPENDITURE	(£)	INCOME	(£)
Postage	745.26	Interest on Investments	
		Lazard (net)	430.08
Stationery	325.20	Bank (net)	46.78
		Subscriptions	2001.00
Surplus	1442.40	Advertisements	35.00
	<hr/>		<hr/>
	2512.86		2512.86
	<hr/>		<hr/>

*Balance Sheet as at 31st December 1995*

LIABILITIES	(£)	(£)	ASSETS	(£)
Life Membership capital		505.00	Investments at cost	1297.88
Sundry Creditors		745.26	Cash at Bank	
			Deposit	2093.44
			Current	2976.22
Accumulated fund	3674.88			
Add surplus	1442.40			
	<hr/>			
	5117.28	5117.28		
		<hr/>		<hr/>
		6367.54		6367.54
		<hr/>		<hr/>

Julian Wiseman  
June 1996



## NEWS OF FORMER STUDENTS

### 1930-1939

**Bartram, George** (1929-32) went to work for Chivers & Sons, Cambridge on leaving college. Two years later he was sent to Montrose to look after Chivers Farms, where he stayed until 1973. He then became fieldsman for Scottish Nuclear Stock Association where he stayed until he retired in 1986 when ill health prevented him from tramping about the spawn beds. He is now 84 years old and still gives monthly talks to the Angus Newspaper for the Blind under the name of 'Farmer George'.

### 1940-49

**Anderson, R.** (1946) after a year with the Economics Dept. joined Sam (Johnny) Makings (1922-47) in S. Rhodesia. Ended up as Director of Economics and Marketing in Ministry of Rural Development, Zambia. He returned to the UK in 1969 and joined the Scottish Agricultural College in Aberdeen and then Inverness as a socio-economic adviser. He is married with two grown up children and retired in 1989.

**Smith, Richard Sydenham and Mary Elizabeth (Betty) (nee Green)** (Both 1944) farmed on their own account until 1988 when they retired and let their son take over.

**Steggles, Rosemary (nee Johnson)** (1943-45) retired from farming in 1987. She has four children, all married and nine grandchildren.

**Adams, Maurice** (1949) is semi-retired from farming and N.F.U. involvement.

**Walker, Barry** (1953-57) lives in Buddina Queensland and would like to hear from anyone who was at S.B. at that time.

### 1950-59

**Bowley, John** (1953) joined NAAS on graduating in 1953 and served in Oxfordshire, Kent and Worcestershire.

**Bathurst, Ernie** (1957) retired from Broomfield College where he was Principal and strongly recommends early retirement by choice. All 54/57's are welcome to look him up 01395 513954. He says "In 1955 Prof. Rasmussen (of Ag. Economics) told us to prepare for more leisure and less work in our future." How right he was. 'Machines will work for us so enjoy the time spared,' he said."

**Nichols, Mike** (1955) set up a small egg producing business on 6.5 acres at Harley, Leics after leaving S.B. in 1955 and marrying Mary in August of that year. They had three sons and expanded first to an adjoining farm and then three more in Lincolnshire and Leics. by 1972. He had by then 80,000 layers and also reared 20,000 pullets, and in all 760 acres. The NCB decided to build a Super Pit in the Vale of Belvoir in 1976 and they fought it for

several years. He became unsettled by this, so in 1982 after much deliberation, sold off all but 100 acres and moved the farm, lock stock and barrel to Tasmania. Farming in both countries still and with two sons, they farm 1200 acres growing all manner of crops, plus of course, their main business - fully integrated chickens and turkeys for the Tasmanian market. They have shipped out over 10 years much of their equipment, ranging from combines down to feed mill, poultry equipment etc and still ship out processing equipment from time to time. He played football for a village team in Leicestershire for 33 years and then started again and has just finished another season last year at 63! He would be pleased to welcome anyone from S.B. at any time.

**Payne, Jane (nee Chappell)** (1955-57) lives near Sydney, Australia and has two grandchildren. She has recently been visited by Margaret (nee Shepherd) (1955-57) and Eric Dilley, David (1961) and Shirley Charles, and David (1954-57) and Jean Newell.

**Latham, W.F.** (1952) is very much retired - the best employer he has had! He attended his first Varsity match in 1949 and is still attending.

**Peeters, Arnold ("Pete")** (1951) is an external verifier for City and Guilds for three NVQ's and is otherwise retired from full time work in the Fruit and Vegetable Industry. He worked in the industry until his 70th birthday and then thought he had done enough! He is still pursuing NVQ work after having had a heart by-pass during the summer. He just managed to get to the Reunion Saturday, being kindly brought by George Hum.

**Foord, Diana (nee Seal)** (1953-55) says for the first time in her life she is not working or living on a farm which is a big cultural shock!

### 1960-69

**Challis, John and Jan** (1967 & 1969) John has been appointed to the Chair at the Department of Physiology, University of Toronto. After a year of weekend commuting the family has moved (June 1996) from London Ontario to Toronto.

**Seddon, John C** (1958-61) joined Boots Farm Sales as a research officer shortly after graduation where he stayed for four years before joining the MAFF Plant Pathology Laboratory, Harpenden in 1966. He returned to the commercial sector in 1972 as Product Development Representative for Monsanto, where he was given a special company 'Merit Award' for his distinguished development work with Roundup. He stayed with Monsanto becoming Technical Services Manager in 1982, Registrations Manager in 1986 and finally Technical Manager in 1989.

**Middleton, Judy (nee Wilson)** (1964) is working in Outdoor Development for Community Education in Kincardine, Deeside. She enjoys hillwalking and skiing.

**Clayton-Jones, Joan (nee Bickers)** (1963) is very involved guiding tours for NADFAS.

## 1970-79

**Arrow, John** (1974) John writes that he is still in the Royal Navy having a good time and living near Southampton with wife Pauline and 2 monsters. He has 2 older monsters in Inverness. He was recently in command of HMS Montrose, one of the new Type 23 Frigates. He is now Superintendent of Diving in charge of all RN diving and explosive ordnance operations and policy. He reports that he remembers grass growth curves but that's about it!

**Wallbank, Eileen (nee Morton)** (1973) is now practice manager of a large mixed veterinary practice in Lancaster as well as being married to David, a dairy farmer. She has three daughters and one son. The veterinary practice deals with both large and small animals but they have a large number of dairy farmers and the farm side is dominant.

**Steinbock, Michael and Eileen (nee Crawford)** (both 1976) Mike is a business manager for Forum Products and Eileen is company dietician for Brake Bros. Foodservice.

**Whitworth, Gail (nee Partington)** (1971) After leaving SB she joined the Dept. of Medicine at Leeds where she gained a Ph.D in 1975. She then worked in the U.S.A. for a while, then returned to the U.K. to take up a position with a chemical company based on the Isle of Anglesea in North Wales where she has responsibility for new product development. Outside work she has become very interested in growing fruit and vegetables and wishes she had paid more attention to the words and deeds of our horticultural experts from 1968-71.

**Scott, Sue** (1971-74) is still working for ADAS. In 1990/91 she went back to University at Warwick Business School to do a Master of Business Administration. ADAS then invited her back and she was re-incarnated as strategic planner. She works in the HQ at Kidlington planning the future of the Agency and preparing for privatisation. She is still riding and has a chestnut hunter chaser of her own.

## 1980-89

**Abbatt (Giles), Kate** (1986) Kate, who still uses her married name although she is divorced, lives near Aylesbury and works in Luton (although she does travel to such exciting places as Sheffield, Great Yarmouth and Kings Lynn!). Having spent much of her final year at SB feeding chickens and ducks, she dabbled briefly in accountancy, then went into computing and worked for Centre-file which is part of the NatWest group. She is now IT manager at Luminar Leisure, a company that operates discotheques, having started the department from scratch. The chain is well known in the South of England as the Chicago Rock Cafe although it does have a unit in Long Eaton and two in Leicester.

**Chatham, Catherine** (1980) is working for the British Council in Zambia after spending three and a half years in Nigeria.

**Howes, Patricia (nee Curran)** (1988) spent several years as an Environmental Health Technician for Bournemouth Borough Council and Mid Bedfordshire District Council. She is now working for North Hertfordshire District Council, retraining part-time for a degree, BSc Hons in Environmental Health, qualifying as an Environmental Health Officer in Summer 1996.

**Franklin, Christopher and Jacqueline (nee Booth)** (both 1984) Chris is currently National Pig Advisor for BOCM Pauls.

**Powell, Kevin** (1986) is a senior research assistant on the Rockefeller Biotechnology project to identify novel gene products to provide resistance to major pests of rice.

**Ballard, Malcolm and Rosemary (nee Grant)** (both 1981) are living in Cincinnati USA. Rosemary is working as a Nutritionist for Heinz Pet Products and Malcolm is working part for himself and part for a Canadian company in the animal feed industry.

**Hall, Carol (nee Brown)** (1987) works part-time as a horticultural instructor in a centre providing employment and training for adults with learning disabilities and part-time self-employed doing private gardening. They have just bought their first house which needs a lot doing to it.

**Cardy, Gill** (1987) has qualified as an occupational therapist, working with adults with learning disabilities in Essex.

**Ashelford, R. (nee Izzard)** (1986) is a waste management consultant with ADAS Leeds.

**Allen, Diana** (1983) is Senior Consultant (Genus Management).

**Barber, Sarah (nee Austin)** (1988) finished her PhD (from University of Plymouth, Formerly Seale-Hayne Ag. College) in January 1994 but is now employed as a full-time mother to two children!

**Royle, Dave** (1985) and Heather (nee Toay) (1986) Dave is Financial Controller for Guidant UK (a medical instruments company making pacemakers etc.). Heather was Chief Executive of Maize Growers Association until March 1995, a full-time mum until November 1995 and is now company secretary for Hillside Associates doing book keeping/business admin for PR/stylists etc in London.

**Powell, Kevin** (1985-86) is a lecturer in crop pests and weed science at the University of Technology Lae Papua New Guinea.

**Sitch, Lesley** (1981) has been working in Mozambique for three years on an agricultural recovery programme, focusing at the moment on testing different varieties of maize for drought and pest resistance - vital for that country's survival.

## 1990-

**Kane, Matt** (1993) is a marine biologist at Deep Sea World and is starting an M.Phil in January.

**Wastie, Sara** (1988-93) is a teacher in a boarding school in Co. Durham having completed PGCE at Loughborough in 1994. She is teaching 7-11 year olds.



## MARRIAGES

Bryn James (1985) to Celine in 1994  
Ruth Gatenby (1973-79) to Mark Higgins (1973-76) in April 1995  
Manjit Rana (1988) to Mark Pollock on 12.8.95  
Jacqueline Booth (1984) to Christopher Franklin (1984) on 27.8.94  
Carol Brown (1987) to Mike Hall in May 1991  
Patricia Curran (1988) to Mr. Howes on 11.9.93

## BIRTHS

Diana Allen a second daughter Jessica Anne born April 1995.  
Heather (nee Toay) (1986) and Dave Royle (1985) a daughter Ellen born 11.6.95  
Nigel and Ann (nee Barron) Foster (1985) a son William born 5.11.95  
Bryn (1985) and Celine James a daughter born July 1995

**LOST STUDENTS** – Please send any information to Julian Wiseman at Sutton Bonington.

Robert Crowder (1962) would like to contact Brian Hatton (presumably 1962)

Kevin Powell would like to contact any 1985-86 MSc Agronomy course graduates.

Heather and Dave Royle would like to contact Richard Rawcliffe "Parky" (1985)

G. Ake (1974-77) would like to contact David Almond and Brian Tompkinson (1977)

Carol Hall (nee Brown) (1987) would like to contact Delia Halsey (1987) last known to be travelling the world.

A complete list of all students, who are members of OKA but for whom current addresses are not available is attached to the address list.

## DEATHS

Vanessa Davies (nee Young) (1971-74) on 14.12.93  
Mollie Gibson (nee Crossley) in March 1995  
Robert William Jones (1954)  
Katheleen Oldershaw (nee Burnett) (early 1940's) on 28.8.91  
Joyce L Mortimore (1976) in 1989

## OBITUARIES

### BRIAN HARTLEY, CMG, MBE

*former Colonial Service officer and specialist in tropical agriculture, died in Mombasa, Kenya on June 5 aged 88. He was born in Kegworth, Leicestershire, on July 31, 1907.*

BRIAN HARTLEY must have been one of the most eccentric and talented agricultural officers to be recruited by the Colonial Office. His father and grandfather were both civil servants of Yorkshire farming stock. These associations prompted his going to the **Midland Agricultural College**, Loughborough. He next won a Colonial Service scholarship to Oxford and later to the Imperial College of Tropical Agriculture in Trinidad.

Brian Joseph Hartley had two rich uncles. One, a bachelor, farmed in Yorkshire and might well have left the farm to his nephew. But Hartley was certain that he wanted to go abroad. The other, Ernest, had made money in India and bought an estate in Ireland, where Hartley spent happy holidays playing with his pretty young cousin, Vivien. Unfortunately, Ernest lost all his money in the crash of 1929. Vivien had to work. She became an actress, changing her name from Hartley to Leigh and going on to marry Laurence Olivier.

In 1929 he took up his first post as an agricultural officer in a district of Tanganyika (now Tanzania). He was given few instructions, beyond being told that his predecessor had vanished and had never been seen again.

The district was much troubled by locusts. Hartley was the first man to observe the change (then known only in theory) that comes over gravid locusts when they have finished swarming before laying their eggs. This enabled him to develop new ways of dealing with them.

He acted always with a bold independence, closing most of the useless cotton seed farms and opening a new one on better land that is still today Tanzania's most important research station. His next problem was an outbreak of bubonic plague. His time in Trinidad had given him some knowledge of tropical medicine. He managed to contain the plague in part of his domain by persuading many village chiefs to burn their huts.

When looking for a site for a new settlement near the lake, he shot two impala for the pot, not realising that they were sacred to a local secret society. To erase the memory of the disaster, the people held a special ceremony, involving putting youths into a trance and speaking through them to the gods. Hartley watched. A few nights later, back in Dar es Salaam, he leapt up and plunged through his mosquito net, wrecking it in the process. He had never done such a thing before. He was to do it again and again, frequently leaping out of windows, even off a roof. This sleep-leaping lasted thirty years before it faded and finally stopped. Hartley believed he was the victim of a spell. He learnt later that the secret society never let strangers watch their ceremony and, if one did, they punished him cruelly.

Hartley did two more tours in Tanganyika. During the second one, he concentrated on improving cotton production. The chiefs trusted him and urged their people to produce the required quota. The results of his campaign raised production in his region tenfold, from 100 tons to more than 1,000. This success led to his being appointed MBE at the age of 27.

For his third tour he was sent to Arusha, a town at the foot of Mount Meru, the centre for European settlement. Hartley found working with the settlers awkward, as he did not share many of their views. He preferred dealing with the tribespeople, especially the Maasai.

His methods were sometimes unorthodox. One tribe given to drinking and womanising had so neglected their duties that some 300 households had dangerously low stocks of food. He arrested the most feckless, took them to a swamp area and made them plant maize. He kept them there for 90 days, by which time the crop had grown and all threat of hunger was gone. It was a novel, if politically incorrect, way of averting a famine.

He had always been determined not to end up penniless, as did most Colonial officers. Land was cheap in Kenya. He bought more than 2,000 acres on the slopes of Mount Kenya for less than £1,000.

In 1938 Hartley was posted to the Aden Protectorate. It was there that he developed a lifelong interest in camels, becoming after two years the assistant commandant of the Camel Corps. It was there, too, that he met Doreen Sanders, the secretary to the Governor. When she first saw him he was dressed up as an Arab. Hearing his perfect Arabic, she concluded that he must be one. They married in the Anglican church in Aden in 1951, but the real celebration was a four day feast in the desert, complete with horses and camels and guns and whirling dancers.

He also served as a political officer, negotiating peace between warring tribes. He found that bringing people prosperity through agriculture was the way to prevent their killing each other. In Abyan he flooded an area laid waste by feuds and instituted a lucrative scheme. It was for this feat that he was appointed CMG.

Hartley remained in Arabia as agricultural advisor until his retirement in 1954, when the family returned to Africa. Thereafter, at first farming his Kenyan farm but later moving to one in Tanzania (confiscated in 1966 by the Nyerere Government), he became an advisor to almost every agricultural project in East Africa and the Middle East, including Iraq, Turkey, Somalia, Yemen and Ethiopia. Finally he became a voluntary consultant to various charities, including Oxfam.

Hartley's last project was a personal one. In 1987, a year of severe drought, he returned to his beloved Tanzania. He decided that what the Maasai needed were camels. There were none in the country, though there are many in Kenya. The advantage of camels over cattle is that they graze at a high level, not damaging the land with their gentle feet. They drink less water and give more milk.

Aged 80, he walked with a troop of camels some 300 miles from northern Kenya to the Tanzanian border. Once the Maasai understood the benefits of herding camels as a supplement to their cattle, they welcomed them. The Tanzanian Government was less enthusiastic, placing many obstacles in his way. Hartley and his son Kim, using their own

funds, persisted. Eighteen months ago, the Government gave their full backing. Hartley, who did so much for so many people with never any thought of self, could at least die happy.

He is survived by his wife, their three sons and one daughter.

*Reproduced from 'The Times' June 12th 1996, with kind permission.*

#### **FURTHER ANECDOTES ABOUT BRIAN HARTLEY KINDLY SUPPLIED BY ARCHIE MOORE'S DAUGHTER, SUSAN WALKER**

Father (A.B.'Archie' Moore - 1928) remembers Brian very well indeed. They were exact contemporaries and both were good scholars and athletes. They were great friends and kept in touch until the outbreak of war. Father says Brian was startlingly eccentric at times. For instance, although he was an intellectual, he believed in ghosts. Apparently there was a live-in housekeeper at SB, a lady in her sixties who was very down-to-earth and told Brian he talked nonsense about spirits. Brian decided he would give her a fright. One night he wrapped himself in a sheet and climbed through her bedroom window. She screamed (and was afterwards furious) and the episode came to the ears of Dr Thomas Milburn. He punished Brian by refusing to allow him to participate in the 1928 cross-country. Father very generously says Brian might well have won it (instead, the cup went to my father). In the 1927 cross-country, Brian was one of those who followed father's lead, which meant he was among those who got lost in Kingston woods.

Dr Milburn also banned Brian from attending the end-of-year dance in 1928. However, his mother intervened, saying it had been arranged that he would take his young cousin Vivian Hartley, to the dance, and she would be so disappointed. I haven't misspelt Vivian, by the way, her name was spelled that way until she became the actress, Vivien Leigh. Anyhow, Dr Milburn relented and Vivian duly appeared. My father, who almost never waxes lyrical about anything, was bowled over by her looks. His words to me were: '.... she was not quite sixteen, but she was the antithesis of a spotty adolescent. .... I have never forgotten her clear green-blue eyes, chestnut hair, delicate features, flawless complexion and the grace with which she moved'.

Father is not at all surprised that Brian, aged 80, walked a troop of camels from northern Kenya to the Tanzanian border. He says it fits in very well with his intelligent vision combined with his tenacity and eccentricity.



## JOHN INGRAM

Popularly known as 'Jack', died in his beloved garden 'Copton Ash' at Faversham, shortly after returning from the reunion in September 1995. This he attended with his wife Nancy, a former lecturer in fruit culture, whom he met as a diploma student 1947-49.

Jack was a Ministry man all his life, first as a trainee in the Advisory Service, then at the E.H.S. Luddington. Here he was involved in growing fruit. Frost protection for blackcurrants by sprinkler irrigation, mechanical harvesting and various forms of micro-sprinklers were aspects which particularly interested him.

The next step in his career was as the Director of the fruit collection at Brogdale 1977-83. The development of 'a state of the art' cold store system was one of Jack's main contributions as well as the usual duties of the Director.

After he retired he did not lose contact with Brogdale. After the demise of the Ministry funding, he was one of the leading lights in the establishment of the Brogdale Horticultural Trust and was a Founder Member and Trustee.

A Memorial Service was held in October 1995 and was well attended by friends, colleagues and growers.

I miss him greatly, he was an expert in fruit growing, a real gentleman and a friend.

Gerry White

## REMINISCENCES OF FORMER STUDENTS

### FRANK BURROWS

I was a student at SB from 1958-61 and 1961-1964 obtaining a Ph.D. under Fred Milthorpe in 1965. I was on the Students' Union for 4 years and ended up as Chairman in 1961. I was instrumental in establishing the UKIASA (UK Agricultural Students Association) and with Keith Scott, a contemporary, ran the first National Conference at SB. And I guess I was at SB at a most interesting turning point in its history - students became independently mobile and no longer required public transport to get around. The number of cars owned by students rocketed from 1 or 2 to 10 or 20. There was a consequent change in the general ambiance.

My wife (Angela Carol Leaman) is also a graduate of SB starting a couple of years after me. She got a first in Microbiology under Malcolm Woodbine. I'm trying to think of someone still around who was her contemporary but I can't; however Harry Swan, who was on staff for a while, Peter Bradfield and Chris Marshall were in the same year.

Look, I've thought of joining OKA several times (both of us have) but the flog (and additional cost) of remembering to get the annual subscription converted to pounds sterling (see we no longer have a pound sign on keyboards over here) and then send it off, just puts me off. If there was a life sub - a one off payment - I and possibly even Gill would join (providing cost was not prohibitive). Let me know.

*(Hon. Treasurer's note: Frank and Gill have now joined - as a family unit not individually - and a lump sum rather than life subscription was negotiated!)*

Obviously I am still at University (but not for long as I am taking early retirement at the end of the year) teaching Ecology. Gill no longer practises Microbiology. She runs the office (Manager) of Dictaphone Australia in Sydney. We have four children Simon, Anna, Claire and Christopher. The eldest, Simon, has just started at Macquarie University and the youngest, Christopher, is just finishing (yes a little back to front but that's usual for us). We have one (2 by next month) grandchild - one from Anna (a nurse) and the impending other from Claire (a medical rep).

Universities here are just about to go through traumas similar to those the UK Universities have experienced. Our newly elected "liberal" government (Liberal = right wing conservatism in Australia) has threatened cuts of 10 % to funds after 10 years of declining contributions. So, we were on strike yesterday (late May) and I was marching and picketing.

Just for your interest I include with this note a newsletter about the Fred Milthorpe Memorial Fund. I guess I was instrumental in setting this up too (although the idea came from CSIRO in Canberra first of all). It was set up by donation. Jeff Moorby organised donations from England and there was a good contribution from there.

With it we set up the Lecture, the Award and the Prize. The Lecture is the most prestigious in the University. Some of the names you may recognize. The inaugural Milthorpe Memorial Lecture was delivered by Professor David Suzuki in May 1989. Since then we have been

privileged to have Professor Paul Ehrlich. Sir Ninian Steven was Australian Governor General and the Ambassador for the Environment and spoke about the Antarctic during the development of the treaty, Neville Wran was one time Premier of New South Wales and later Chairman of the CSIRO, Bob Brown is now a Senator in the Australian Upper House (elected here) and Environmental Activist (stopped the Franklin Dam) and Mike Archer is a leading paleontologist. This year it is our pleasure to be addressed by Senator John Faulkner, Minister for the Environment, Sport and Territories.

The topics have covered ethical implications of genetic engineering, the finite nature of the world's resources, environmental protection of the Antarctic, the future of research and development in Australia, the continuing struggle to preserve Tasmanian forests and wildernesses and work on the Riversleigh deposits in Queensland.

School of Biological Sciences  
Macquarie University  
NSW 2109  
Email: Fburrows@rna.bio.mq.edu.au

#### ARTHUR AND RUTH LOUGHTON

This year saw the retirement of Arthur Loughton BSc Hort 1954, MSc 1961.

Ruth Loughton (nee Bullivant), Dip Hort 1953, retired from (paid) work somewhat earlier, in 1991. Alas wives never get to retire!

Arthur spent his professional career in experimental horticulture, both as a research scientist and as a research program manager. He joined the staff of MAFF's Experimental Horticultural Station at Cawood, near Selby on graduating in 1954, and was Deputy Director by the time he resigned in 1967. His personal research at Stockbridge House focused on the production of field vegetables and mushrooms.

At Cawood, Arthur also developed a particular expertise in the production requirements of an unglamorous but economically-important crop, rhubarb. In the 1960s he was invited to speak on the subject at conferences in the USA and Canada. This led to an invitation in 1967 for him to join the staff of the Ontario Ministry of Agriculture and Food's Horticultural Research Institute Vineland Station as a Research Scientist. He was soon in charge of production research on asparagus, brassica crops and protected vegetables. His notable accomplishments included the initiation of Canada's only research program on mushroom production, and the introduction of the long seedless cucumber in greenhouse production in North America. (This crop is now worth \$40million a year to the Ontario greenhouse industry alone.)

In 1975, Arthur was appointed Director of O.M.A.F.'s Horticultural Experiment Station at Simcoe, Ontario. Here he managed the work of six research teams in fruits and vegetable production. Between 1986 and 1991 he was seconded to head up the Transitional Crops

Team which was established to find alternative crops to plant on the land released by a shrinking tobacco industry. This work involved an integrated approach to establishing the production requirements, market potential and economic viability of crops as esoteric as garlic, evening primrose and ginseng.

While Arthur was making a difference to the Ontario horticultural industry – and, characteristically, having fun doing it – Ruth was making her own mark as a teacher of developmentally challenged young people (a good accompaniment to parenthood). And both were doing a fine job of raising their two sons, Martin, a graduate in maths and computer science who works for IBM in Toronto, and Graham, a political science grad who works in market research, also in Toronto.

Notwithstanding their busy and demanding professional and family lives, Arthur and Ruth found time to become deeply involved in serving their community, their church, and various professional associations. Ruth maintained a large garden and developed an active interest in antiques, local history, and provincial politics. Most recently, she has also become involved in the palliative care movement. Since Arthur's retirement she has turned her attention to learning how to manage twice as much husband on half the money!

Arthur joined the Board of Stokes Seeds on his retirement, but since neither he nor Ruth have allowed themselves to be defined solely or even primarily by their professional lives, they are now embarked together on a retirement in which they will mainly indulge and develop their interests in local and natural history, provincial politics, and their community and family. Since they are both blessed with good health, boundless energy, many enthusiasms, and a determination to enjoy themselves, I expect they'll have a ball!

Any Old Kingstonian who is going to be in the area is invited to visit. The Loughton home, at R.R.#1, Vittoria, Ontario, NOE 2WO, is about two hours drive west of Toronto's Pearson International airport; (call ahead to 519-426-3697). My advice is to accept the invitation and join the fun.

T K Warley (BSc Hort 1953)

#### SUE PHILPOTT (WOOKEY) 1967

I am based in Australia at the moment. I travel frequently, always to developing countries where I do project-related work for international agencies. I have virtually no contact with SB people other than those I see on travels (I saw one friend ex SB in Cambodia this year) or those who visit Perth.

I find my lifestyle very satisfying if somewhat excessively hard work at times. The rewards in seeing people undertake change in a confident manner – be it food production, processing, water supply/sanitation, primary health care, community development or credit schemes – are hard to describe. You will probably not be pleased to learn that I have increasingly steered away from animal production and indeed have a total aversion to goats in particular



having had to concoct (largely unsuccessful) schemes to redress the damage they have done in places. I wish people would eat more of them and help solve the problem!

The frustration of having to work through so called "development" banks can get one down sometimes, although there are many good people struggling to get the necessary job done there also. We have structural adjustment in Australia too these days but no-one would dare call it that. I have become a very "irrational" economist lately having seen where the benefits and costs of economic rationalism go to. Quite a lot of my work comes through the Australian Government as we hold a gender and development contract with them to supply short term consulting staff. The network (mostly women) is now almost 60 all with incredible field experience in several countries and all juggling at least two jobs full time. We also do work for the Banks (ADB/IBRD etc) and several NGOs.

This last year I have worked in Bangladesh, Papua New Guinea (a long standing love-hate relationship), Vietnam, Indonesia, Cambodia and Pakistan. I also went to the UN conference on Women in Beijing and spent time on matters of spirituality and decision making rather than any of my technical interests. It was a privilege to meet so many 'totally committed women changing lives and redressing inequities with virtually no financial or political support. Very humbling. It was a very distressing episode too as we certainly had our problems with the Chinese desire to control this enormous group of women. Be thankful the 2000 Olympics are not going to be in Beijing!

#### CHARLES E TAYLOR (STAFF 1949-56)

During the period August, 1949 to December, 1956 I endeavoured to impart some knowledge of insect pests to students and also look after their welfare as a warden of the hostel at Kingston (farm) and then the small (men's) hostel. However, I did research for a PhD which I submitted (successfully!) to the University, so in that sense I was a student of the University.

After SB I spent three years in Rhodesia (Zimbabwe) as an entomologist and then took up a post at the Scottish Horticultural Research Institute (now incorporated into the Scottish Crop Research Institute) to undertake research on nematode vectors of plant viruses. I became Director of the Institute in 1972 and retired in 1986 - but have continued to retain an interest in research (editor of a journal, writing a book etc).

I remain interested in the activities of the Old Kingstonians, particularly those of the period 1950-56, and will be pleased to lend support to any special projects.

#### MILTHORPE MEMORIAL FUND NEWSLETTER 1995

##### PROFESSOR FRED MILTHORPE

The Fund was established in memory of the late Professor Fred Milthorpe who held one of three chairs of Biology at Macquarie University from 1967-1982.

Fred Milthorpe was born in Hillston in western New South Wales and after graduating from Sydney University (and later London University) worked for a time with the N.S.W. Department of Agriculture and the Waite Agricultural Research Institute of Adelaide University. In 1954 he was offered the Chair of Agricultural Botany at Nottingham University. He spent the next 13 years in England where he gained a worldwide reputation for his contributions to leaf growth, stomatal physiology, plant water relations and crop physiology.

Fred was a most successful and influential supervisor of research. Many of his postgraduate students at Nottingham came from Australia and returned to occupy senior research positions in C.S.I.R.O., state departments of agriculture and universities. Indeed his students are to be found in all parts of the globe, a worldwide testimony to his scholarship and leadership.

The Fund in his name supports three activities. The first is the Milthorpe Memorial Lecture series, which has an environmental theme. The second is to provide an award, currently \$1,500, to assist young students from Macquarie University to pursue research in other institutions or to support students from other institutions to study at Macquarie University. The third is the award of a prize worth \$200 for 300-level (3rd year) Plant Biology.

If anyone would care to make a contribution to the Fund, then please send a cheque, payable to Macquarie University Milthorpe Fund, to Professor A.J. Beattie, Commonwealth Key Centre for Biodiversity and Bioresources, School of Biological Sciences, Macquarie University, N.S.W. 2109.

As well as personal donations, much of the Fund came (and still comes but a much reduced rate) in the form of royalties from several of Fred's publications through the generosity of Joan Milthorpe. These include "The Control of Crop Production", "Sexual Reproduction of Deciduous Fruit Trees" and "Physiological Ecology of Forest Production" all Academic Press publications and the Japanese edition of "Crop Physiology" - from CUP and the well-known and widely translated Milthorpe and Moorby text.

**OKA SOUTHWEST 1953-56**  
**FEBRUARY 1996 REUNION AT ASHCOTT INN, STREET**

**PARTICIPANTS' NEWS ENTRIES IN THE VISITORS BOOK:**

**BRIAN SELF**

Hillside Cottage, Boxley Maidstone, Kent, ME14 3DY. Tel: 01622 753882

Retired from East Malling Research Institute. Now a professional committee attender.

**MICHAEL & LILLA WALL (nee CIRCUIT)**

Lower Bealey Court Orchard, Chulmleigh, Devon, EX18 7EG. Tel: 01769 580265

Dairy Farming at Rackleigh Farm, East Worlington, Devon since 1957. Moved to present bungalow in January 1996. Son Tim now runs the farm.

**LANCE & VAL SANDERSON (nee SEYMOUR)**

Chestnuts, Loves Green, Highwood, Chelmsford, Essex, CM1 3QH. Tel: 01245 248377

Retired H of D Hort at Writtle College August 1992. Ran Centenary there 1993. Val does good work including looking after me.

**BOB & JUDITH DOMLEO**

Higher Fisherton, Atherington, Umerleigh, N. Devon EX37 9JA. Tel: 01769 560452

Farming - mixed but mainly Dairy - in the Taw Valley since 1960 - son Steven now in one farm and taking more responsibility with the milking herd.

**ANN NEWBURY (nee Davis) (1951-53)**

Porch, Kingscleve, Newbury.

Husband still farming (Jerseys and Arable). Longing for retirement. Sick of telephone ringing and living too near suburbia!

**JILL HALLIDAY**

2 The Orchard, Urchfont, Devizes, Wilts, SN10 4QX

Worked in practical farming a bit - last 30 years worked as a farm secretary/costing. Now happily retired - living in a village keeps me very busy.

**IAN G WHARTON**

Plumtree Cottage, 54 Ashton Road, Swindon, SN6 6RZ

Now coach driving near Swindon. Previously 3½ years in N. Rhodesia, 6 years on the Cotswolds, 2 years in Cornwall, 8 years at Bristol University, Langford, 2 years at Reading University, 7 years at ARC Compton and finally 7 years at Bathurst Estate, Cirencester.

**DOUG & ALISON GUNARY**

Littlecot, Berkley Road, Cirencester GL7 1TY. Tel: 01285 643423

Retired as Research Director, Nickerson International Seed & Plant Breeding Company in 1992. Was heavily involved in Biotechnology in Plant Breeding & related legislation. Still continue some consultancy for EC & BBSRC after doing a study for OECD. Enjoying watercolour painting as retirement hobby.

**PAT MILLER (nee ALDERSLEY) (1952-54)**

3 Home Park, Stoke, Plymouth, Devon, PL2 1BQ. Tel: 01752 605274

Now retired and helping son with family business. Was previously senior lecturer at Plymouth College of Further Education.

**ANN POTTER (nee WILLIAMS) (DDip 1952-53)**

Invader from Cheshire

**JOHN & JOAN LOVE (nee FREEMAN)**

10 Beawe Road, Watton at Stone, Hertford, Herts, SG14 3RG.

John retired from Sainsburys after 28 years and is now a consultant and technical correspondent for Trade journal. Joan acts as secretary and P.A. and plays tennis.

**LEN GURNETT**

Maples, Elm Combe, Minehead, Somerset, TA24 6TR.

Retired. Now part-time farmer.

**IAN SCARBOROUGH**

9 Ivy Terrace, Bradford-on-Avon, BA15 1QW. Tel: 01225 862091

Returned from Africa and retired, a life style I strongly recommend.

**ANGELA M HOXEY**

Meyricks Cottage, 7 Kempton Lydbury North, Shropshire, SY7 OJG.  
Tel: 01558 660535 or (Oxford) 0865 56980

Retired from University of Reading after working many years with Colin Spedding. Married and living in Oxford for 6 years.

**ANN DAVIES (nee FOWLER) (NDD 1952-54)**

Hatches Farm, Hatches Lane, Great Kingshill, High Wycombe, HP15 6DS.

Been at Hatches Farm 36 years milking 120 cows. Have 4 children all doing their own thing - one daughter in farming in Wales. Keep in touch with various dairy dips - several here today - Mary Brown 52-54 now lives in Hexham and I visit occasionally and write at Christmas.



**JOAN & DAVID BURKS (AGRIC 1952-56)**

Eggesford Gardens, Chulmleigh, Devon, EX17 7QJ. Tel: 01769 580210

Married 1956. Rhodesia from 1956-59, Toddington, Beds 1959-64, Devon 1964-67, Farming and now Garden Centres. Have 7 children, 10 grandchildren. Eldest daughter, Anne at Sutton Bonington from 1975-78.

**SUE SOLLARS (nee GRAINGER)**

Plum Tree Cottage, Sandleheath, Fordingbridge, Hants.

**SALLY (RICHARDS) & ALASTAIR BULLOCK (HARPUR!)**

Bourton-on-the-Water, Gloucestershire, GL54 3BZ.

Married 1960. Aston Farm 1965 - due to retire by 2000 to ? Cirencester?? Have 4 sons - eldest is partner on farm, will hopefully take over tenancy and two co-partners. Youngest farming in Hants. Have 3½ grandchildren.

**ANN PRICE (nee IMHOF)**

Apsley, Bradford on Tone, Taunton, Somerset, TA4 1HP. Tel: 01823 461656

Married 1959. Blackcurrant grower. Son on the farm. Married with 3 sons. Daughter is married and has one son. Exit 26 off M5 about 2 miles. Do call in.

**MONTY & PAT MONTAGUE (nee UNWIN)**

Heron's Reach, Aune Cross, Bantham, TQ7 3AD.

Unable to attend this time as have a vital AGM same day, having recently started a 'political career' rather late in life by being elected to the District Council last May. Finding it quite fascinating and time absorbing. This plus serious singing with a local choir keeps me pretty well occupied. Pat, when spared by the grandchildren, is into serious art photography and wins prizes in competitions.

**JIM WATERWORTH (HORT 1952-55)**

8 Grove Court, Teignmouth, Devon, TQ14 8QF. Tel: 01626 772185

Western/Midwestern Nigeria 1957-1977, starting as a District Agricultural Officer, ending as Bendel State Director of Agricultural Services. MBE in 1968. Married 1972 and have 1 daughter (22) who is an Environmental Engineer with NRA. With Hunting Technical Services, 1979-82 and in Eastern Zambia 1982-93 as a Farming Systems Agronomist; now 'semi' retired.

**DICK HOLLOWAY, TONY BARBER ('55) AND ALISON, JOY MEDSAG (PUGH) AND STEVE BLORE** did not come. Perhaps next time those with addresses could contact them.

There was no reply from **MIKE LAPTAIN** of Whimble, Exeter or **MALCOLM RACE** of South Lynch House, Hursley, Winchester, Hampshire, SO21 2JH.

By all accounts everyone greatly enjoyed meeting up with fellow students after so many years! Provisionally, it was agreed to meet again at the same time and place in 12 months time (**SATURDAY 22 FEBRUARY 1997**) to be booked (by Jim Waterworth) near Christmas this year. To obtain a provisional number for this booking it is suggested that Gurnett/Loves/Miller/Self/Walls then contact Jim Waterworth directly; Davies/Domleas/Hoxey/Price/Sandersons/Whartons contact Ian Scarborough, and Bullocks/Burks/Hallidays/Montagues/Newbury/Sollars contact Dough Gunary, who has offered to spread the 'secretarial' work done by Kim and Ian for this year's reunion.

**Jim Waterworth**

**Ian Scarborough**

**Dough Gunary**

**NEWS FROM THE DATA BASE**

As many of you may be aware this is the 75th Anniversary of OKA. One of the activities arranged in celebration was a massive mail shot to all former students who were not members - addresses have been gleaned from various Faculty and University records. This was an arduous task involving many late nights and much putting of membership forms into envelopes. The response has been reasonably encouraging (including a few polite letters from people who were already members) and many new members are now on board (a particular welcome to George Bartram who has been persuaded to join 64 years after leaving Sutton Bonington!).

This year also sees the publication of the full address list (which is undertaken every three years). Please check that your entry is correct (complete address, year of graduation and, please, information about the maiden names of married students).

This is also an opportune moment to mention that all graduates of the Faculty are of course graduates of the University of Nottingham and will receive the newsletter 'Nottingham Graduate' from the Development Office (DO) at University Park (that bit of the University nearer to Nottingham than Sutton Bonington!). Whilst OKA and the DO maintain contact in locating individuals (and swap addresses) we think it very important to point out that membership of OKA does itself have many distinct advantages of which AGRIMAG is one - the ideal means of keeping in touch both with the Faculty and colleagues. I only mention this because of the occasional item in the 'Nottingham Graduate' from SB graduates asking for information about a former friend.

**SEPTEMBER REUNION**

The 1995 reunion went down very well - around 160 members attended the Saturday evening function (the less said about the double booking the better - all those there know to what I am referring - it will not happen again!). Please see the photographs in the middle of AGRIMAG.



By the time this AGRIMAG is distributed, the 1996 reunion will have taken place. As a result of request from specific year groups, the years targeted were increased (1956-8, 1966, 1976, 1981-88).

The 1997 reunion will target the following years: 1957, 1967, 1977, 1987-93 although if any other year group would like to attend then please contact me. It is becoming increasingly the case that more senior graduates appreciate OKA grouping years. We are always receptive to any suggestions for additional individual years or groups. Please make your views known.

Traditionally the reunion is the third weekend in September, which means that it will be the 20th/21st 1997.

These are the proposed year groups for the next few years:

1998:	1948-56, 1958, 1968, 1978, 1988
1999:	1956-65, 1969, 1979, 1989
2000:	1966-1973, 1980, 1990

News of the November Reunion (which usually attracts the more recent graduates) accompanies this copy of AGRIMAG.

#### REMINISCENCES OF FORMER STUDENTS

You will see in the news section an additional feature which is designed to allow senior colleagues a chance to write something about their illustrious careers (i.e from people who are approaching retirement). We would welcome items such as these for future AGRIMAGs. I have written to a couple of people already asking them for a submission but I would welcome unsolicited items - please don't let modesty prevent you from contributing!

**Julian Wiseman**

**PHONE:** 0115 9516054  
**FAX:** 0115 9516060  
**E-MAIL** [julian.wiseman@nottingham.ac.uk](mailto:julian.wiseman@nottingham.ac.uk)  
(an increasingly effective means of communication!)