



Minutes of the Aerosol Society Annual General Meeting

Thursday 8th November 2018.

The Edgbaston Park Hotel & Conference Centre, University of Birmingham.

Present: 56 Society members attended the meeting.

Jonathan Reid (Society President) welcomed everyone to the 2018 Aerosol Society AGM.

Approval of the Minutes of the Last Annual General Meeting (9th November 2017). Jonathan Reid asked if any member had any questions regarding the minutes from last year – no questions.

The minutes were approved as an accurate and true record of the 2017 AGM. **Jonathan Reid requested the minutes were formally adopted and asked who was willing to propose and second this.**

Proposed: Jacqui Hamilton

Seconded: Dimitrios Bousiotis

Motion carried

Jonathan Reid confirmed that there were no matters arising.

Proposed constitution changes:

Jonathan Reid confirmed that the 2018 AGM reports were posted on the website and sent to members to view in advance of the meeting which include some proposed changes to the Society constitution (see below – shown on slides at the meeting). He highlighted the most significant proposed change, no 2, 'The financial year is from 1st April – 31st March'.

Jonathan Reid explained due to the timing of DDL, to have the year-end finish in line with the calendar year, it's really unhelpful from an accounting point of view as there are many outstanding invoices relating to DDL so the accounts are not always a true financial reflection of the Society. To move our year end to the end of March allows for more accurate and cleaner annual accounting and reporting.

Proposed constitution changes:

Name and Business Year

1. The Society shall be known as "The Aerosol Society".
2. The business year is the same as the calendar year.

Changed to:

2. The financial year is from 1st April – 31st March.

Proposed: Jonathan Reid

Seconded: James McGrath

Membership

6. Ordinary membership is open to anyone with an active interest in the field of aerosol research or a related discipline.

Changed to:

6. Ordinary (academic or industry) membership is open to anyone with an active interest in the field of aerosol research or a related discipline.

Proposed: Ben Murray

Seconded: Rachael Miles

14. Ordinary, Honorary and Student Members are entitled to vote at the general meetings and can be elected to membership of the Committee. Corporate members may also have one vote provided that they inform the Committee, in writing prior to the meeting, of the name of their representative.

Changed to:

14. Ordinary, Honorary, Retired and Student Members are entitled to vote at the general meetings and can be elected to membership of the Committee.

Proposed: Jim Walker

Seconded: Francis Pope

General Meetings

21. A quorum exists if all members eligible to vote have been invited and at least 25 of them are present. If fewer than this number are present, then a fresh meeting of members must be called (giving 56 days notice), and this will form a quorum regardless of the number of members who are eligible to vote.

Changed to:

21. A quorum exists if all members eligible to vote have been invited and at least 25 of them are present. If fewer than this number are present, then a fresh meeting of members must be called (giving 56 days' notice), and this will form a quorum regardless of the number of members attending who are eligible to vote.

Proposed: Jonathan Reid

Seconded: Dan Hardy

The Committee

27. Nominations for Officers and other Committee Members may be made in writing prior to a general meeting, or during the said meeting verbally. Candidates must be nominated and seconded by Society members with voting rights and with the nominee's assent. Voting will take place by secret ballot.

Changed to:

27. Nominations for Officers and other Committee Members may be made in writing prior to a general meeting, or during the said meeting verbally. Candidates must be nominated and seconded by Society members with voting rights and with the nominee's assent. Decisions are made by a majority of voting members present.

Proposed: Stephen Ingram

Seconded: Dan Hardy

29. The responsibilities of the Committee members are:

- a) The President takes the chair at meetings of the committee and at the AGM. In the President's absence the meeting is chaired by the Deputy President and in their absence by the General Secretary.
- b) The General Secretary will ensure that the Society's affairs are conducted in accordance with the constitution and promote membership of the Society by ensuring an up to date list of names and addresses of members is maintained, details of which to be confidential to members of the Society, and to the members of other societies as approved at an AGM, and also provide a directory of the members' interests.
- c) The Treasurer will manage the financial affairs of the Society, provide annually at the AGM a balance sheet of the Society's financial affairs and submit annually the accounts up to 31st December for auditing.
- d) The Committee members will assist with the organisation of meetings, provide the final programme for distribution to all members, approve new members of the Society, liaise with other interested bodies and coordinate expert comments. Committee members should be available to aid the Officers of the Society.
- f) The Education Officer is responsible for promoting young researcher training, development and engagement.

Changed to:

29. The responsibilities of the Committee members include:

- a) The President takes the chair at meetings of the committee and at the AGM. In the President's absence the meeting is chaired by the Deputy President and in their absence by the General Secretary.
- b) The General Secretary will ensure that the Society's affairs are conducted in accordance with the constitution and promote membership of the Society in accordance with the Society privacy policy published on the Society website www.aerosol-soc.com.
- c) The Treasurer will manage the financial affairs of the Society, provide annually at the AGM a balance sheet of the Society's financial affairs and submit annually the accounts up to 31st March for auditing.
- d) The Committee members will assist with the organisation of meetings, provide the final programme for distribution to all members, approve new members of the Society, liaise with other interested bodies and coordinate expert comments. Committee members should be available to aid the Officers of the Society.
- e) The Education Officer is responsible for promoting young researcher training, development and engagement.

Proposed: Matthew Wright

Seconded: Jonathan Reid

The President and General Secretary's Report to the 2018 AGM

Introduction

Welcome to the 2018 Annual General Meeting of the Aerosol Society. This is now our fifth successive Annual Conference and General Meeting at the University of Birmingham, with this our first meeting in the new conference venue. Each year, the conference has grown in size and the transition to the new venue is certainly welcome, providing more space for exhibitors, poster presenters and attendees. We hope you enjoy the new venue and the science presented.

The last year has been another busy year for the Society with another successful *Drug Delivery to the Lungs* conference in Edinburgh in December 2017 attended by almost 750 and breaking 100 in the number of sponsors. The continued success of DDL is crucial for the sustained health of the Society and the opportunities it provides to invest in supporting early career researchers. Other activities have included the 2nd Focus Meeting (FM 11) on Ice Nucleation in January 2018, co-chaired by Ben Murray. We have also continued to support early career researchers through the award of small research grants, travel awards and CN Davies awards. New awards for 2018-19 include the Photography Competition and the Doctoral Thesis Prize, rewarding excellence in doctoral research and awarded in recognition of an outstanding body of aerosol-related research. We are continuing to evolve and refocus many of our awards, and there will be some exciting changes for 2019, to be announced soon.

At the recent *International Aerosol Conference* in St Louis, the International Aerosol Research Assembly awarded Professor Ian Colbeck with the prestigious *International Aerosol Fellow Award*. The award recognizes outstanding contributions to aerosol science and technology through research, technical development, education and service. The award jury highlighted the many roles played by Ian within the aerosol field, both nationally and internationally. They especially commended his fundamental pioneering research on fractal shaped particles and bioaerosols, and in establishing transnational links between the UK and Pakistan in various air pollution research initiatives. The only previous UK recipient was Charles Clement in 2008. Ian shared the 2018 award with Dr Susanne Hering of Aerosol Dynamics Inc. We are grateful for his long-standing support for the Society over many decades.

Committee news

Jonathan Reid was elected President of the Society at the last AGM with Darragh Murnane stepping into the Vice-President role, a practice we will seek to encourage in the future to maintain some short-term continuity. During 2018, Jacqui Hamilton was co-opted into the role of Treasurer and Matt Wright into the role of General Secretary. We are grateful to Mark Hammond and Markus Kalberer who faithfully served in these two roles for a number of years. Markus has now moved to Switzerland to a position at the University of Basel and we wish him well for the future. Marc Stettler joined the committee as a co-opted member during 2018.

An update on new initiatives for 2018-19

During the next year, we plan to hold our first meeting in conjunction with the annual *Cambridge Particle Meeting* with a focus on combustion aerosol. We hope this will become a regular event in this important area of aerosol science. Many of the members of the Aerosol Society committee have contributed to a bid to the *Engineering and Physical Science Research Council* for a *Centre for Doctoral Training* (CDT) in Aerosol Science. The outcome will be known before the end of the calendar year. If funded, we anticipate the CDT could provide a springboard for research in aerosol science across the UK over the next 8 years. During 2019, we intend to review how the Society engages with industry and public sector partners, with a view to building stronger and more substantive links across the UK aerosol science community. Finally, we believe that achieving equality, diversity and inclusion across the aerosol science community is crucial to future success and will consider mechanisms by which the Society can promote diversity in the workforce.

Membership

We are pleased to report that our membership continues to grow, and now stands at 598 members, an increase from 458 at the last AGM and over double that in 2016. In the past year this has largely been driven by an increase in Student members (321 this year, compared with 182 at the last AGM). This is particularly encouraging as a key focus of our activities in recent years has been to attract and support students and young researchers starting out in their careers in aerosol science. Going forward, we will work to retain as many of these student members as possible into full membership. Membership in our Academic (94 members, compared with 86 last year) and Industry (174 members, compared with 186 last year) categories remains stable, and we are pleased that uptake into our Retired membership category (9 members, compared with 4 last year) reflects, we hope, continued interest in our activities from members retiring from roles in active research. The support of our Corporate members is also greatly important to us and we are delighted to have increased the number of Corporate members from 7 to 11 in 2017-18.

Website and Communications

Earlier this year, the administration team undertook significant activities to ensure the Society, our website and communications continue to remain compliant with the recently updated General Data Protection Regulations (GDPR). We have appointed an external advisory Data Protection Officer and have published an updated Society privacy policy. All Society members were given the opportunity to confirm their preferences with regard to Society communications. Work continues behind the scenes to add further improvements to the website functionality.

In other news, we have added a “What’s happening at the Aerosol Society” section to the homepage to quickly update visitors to the latest news and events. We also encourage members to log on to the Members area of the website and build or update their Member Profile and connect with other members.

We continue to send out monthly Newsletters via email. This remains an important vehicle for communicating our activities, reaching a growing audience of Society members. Although we maintain regular content and features curated by the Committee and our Administrator, we would be delighted to include contributions, large or small, from members and strongly encourage you to consider submitting an article. If you have any comments on items in the Newsletter or on the Website, or would like to contribute a topical news article, showcase your group’s research, or advertise a job, PhD vacancy or upcoming event, please submit these contributions to Sonia Mills (admin@aersol-soc.com).

Drug Delivery to the Lungs 2017

The 28th Drug Delivery to the Lungs (DDL) Conference was held at the Edinburgh International Conference Centre between 6th and 8th of December 2017. The event hosted 740 delegates from all over the world and featured a five-session scientific lecture programme supported by 87 poster presentations. The Industry Exhibition was the largest yet with 101 sponsors from the pharma industry exhibiting.

The event was preceded by a mini symposium organised by the SimInhale COST Action group www.siminhale-cost.eu. This specialist session addressed the difficult task of “Designing Inhalers for Children and Infants” by analysing physiological, technical and regulatory considerations; encouraging the audience to contemplate what changes or adjustments may be required to licensed adult inhalers to deliver therapeutic aerosols to infants and young children. Dr Sitaram Velaga and Mr Wilbur de Kruijf chaired the symposium and moderated a short discussion session following the lectures.

The DDL programme which included sessions on ‘Emerging Therapeutics and Novel Respiratory Medicines’ and ‘Inhaled Therapy in Special Populations’ invited talks from a range of speakers. Themes such as modelling techniques, development of inhaled antibiotics for diseases, and the use of acoustics for inhaler monitoring and characterisation were discussed over the three-day programme.



The inaugural DDL Emerging Scientist Award was unveiled during the event. The DDL Organisers wished to encourage promising scientists to be ambitious and to promote their career progression. This award recognises talent and achievement of researchers within 15 years of their post-graduation. Francesca Buttini, University of Palma won the award and presented her lecture on “Engineered Microparticles for DPI construction and Powder Administration Strategy.” Her research had impressed the judging panel and she was awarded the £1000 fund alongside being invited to present at the conference. DDL2018 will offer the same opportunity to other Emerging Scientists; see the website for more details.

Professor Myrna Dolovich, McMaster University presented the annual DDL Lecture ‘Looking Back and Looking Ahead: Developments in Aerosol Medicine over the last 50 years – Devices, Drugs and Detection of Disease’ and became the seventh doyen to be bestowed this lifetime achievement award.



Six researchers presented their abstracts as a poster and a podium presentation as part of their bid to achieve the Pat Burnell New Investigator award. The winner was Ayasha Patel from King’s College London with her talk on ‘Loading, Release and Activity of Inhalable Benzothiazinone-Loaded Human Albumin Nanocarriers for Anti-tuberculosis Therapy’. This was the second time Ayasha has been awarded at the DDL Conference; winning Best Academic Poster the year before at DDL27 in 2016.

Congratulations also went to Judith Heidland, of Kiel University for winning the Best Academic Poster entitled “Nano-in-microparticles for dry powder vaccination – possible for nasal application?” and to Kyrre Thalberg, from Astrazeneca for winning the Best Industrial Poster with his abstract “Multi-Scale Modelling of the Formation of Adhesive Powder Mixtures for Inhalation.” All abstracts from the conference are available to view on the DDL Conference website www.ddl-conference.com.

DDL2017 welcomed delegates from all across the world including China, Korea, the USA, New Zealand and India. The interest in sponsoring this annual event builds in momentum each year, showing clearly that this is THE primary nasal and pulmonary inhaled medicines conference.

Focus meetings

Our series of Aerosol Science Focus Meetings continued into 2018, albeit with only one meeting held during the year. Focus meetings concentrate on specific topics of specialism and provide a great opportunity for members to secure a network in their research area. The meetings are organised by members with support from the Aerosol Society administrator and often in collaboration with other academic and professional organisations, and we encourage Society members to get involved. To propose a topic for a Focus Meeting, or to organize your own meeting, contact Sonia Mills (admin@aersol-soc.com).

We anticipate holding two Focus Meetings in 2019. The next (Focus Meeting 12) will be held in Cambridge in 2019 in conjunction with the annual *Cambridge Particle Meeting* and will focus on combustion aerosol, from new particle formation through to emission measurements and regulation. Plans are taking shape for FM13 and we will circulate details soon.

Focus Meeting 11 – 2nd Atmospheric Ice Nucleation Conference

Focus Meeting 11, the “INUIT Final Conference and Second Atmospheric Ice Nucleation Conference” was held from 26 February – 1 March 2018 in Grasellenbach, Germany, jointly organized by the INUIT Research Group and The Aerosol Society. The conference hosted invited talks by solicited speakers (Dan Cziczo, MIT; Paul DeMott, Colorado State University; Annica Ekman, Stockholm University; Naruki Hiranuma, Texas A&M; Corinna Hoose, Karlsruhe Institute of Technology and Zamin Kanji, ETH Zurich) and a further 34 preferred platform presentations and 34 posters.

Focus Meeting 12 – Bioaerosol-Lung Interactions

Unfortunately, we were forced to postpone this meeting due to date clashes. We hope to hold this meeting during 2019.

2017 Annual Aerosol Science Conference

Our Annual Aerosol Science Conference 2017, titled *Pushing the limits in aerosol measurements and simulations*, was held at the University of Birmingham on 9th November 2017. A record number of delegates (86) attended and heard plenary talks from Barbara D’Anna (French National Centre for Scientific Research, *Unregulated emissions from Euro5/Euro 6 passenger cars*), Robert Price (University of Bath, *Understanding the relationship between material properties and processing conditions on the microstructure of an aerosolised dose*) and Jim Haywood (University of Exeter/Met Office, *Using volcanic eruptions to unlock the secrets of aerosol-cloud-interactions*) alongside a number of other speakers and poster sessions. 19 early career researchers (posters & talks) were independently reviewed for our Outstanding Junior Researcher Awards, kindly sponsored by NPL. Paul Quincey of NPL presented these awards to Rose Willoughby (University of Bristol) for her poster *Measurements of the Real and Imaginary Refractive Index of Single Aerosol Particles* and to Alison Connolly (NUI Galway) for her presentation *Occupational exposures to pesticide products among amenity horticulturists*. We were also delighted to fill our exhibitor capacity this year and would like to thank Air Monitors, Biral, Enviro Technology, Environmental Science: Processes & Impacts Journal, Filter Integrity, NCAS, NPL, Scielutions and TSI for their continued support. We received largely positive feedback – we are very grateful for the 24 responses and encourage attendees at this year’s edition to tell us their thoughts – but will continue to work to improve the meeting based on all comments received, positive or otherwise.

Fundamentals of Aerosol Science

As usual the Fundamentals of Aerosol Science Meeting was run alongside AASC 2017 at the University of Birmingham on 8th November 2017. We are very pleased to report that attendance at this well-established one-day event remains high (60 delegates, including 34 students) and the day was well received by the attendees (25 responses to our feedback questionnaire). The final lecture, which we introduced to link the fundamental aerosol science introduced during the day to the theme of the following day’s Annual Conference, was given by Paul Quincey (NPL) on *Aerosol Regulation and Metrology*.

Awards and Sponsorship

This year’s Aerosol Society Small Research Grant (SRG) was awarded to Fiona Smail, University of Cambridge (*Optimisation of Continuous Carbon Nanotube Aerogel formation for Scale up - Kinetics of Carbon Nanotube Growth*; £4,310), and the DDL Small Research Grant was awarded to Magda Swedrowska, King’s College London (*In vitro deposition of an insulin nasal spray for nose-to-brain delivery in a nasal cast*; £1,600). We also continued to support students and young researchers through our Early Career Scientist Travel Awards to encourage attendance at international conferences; £4,000 was awarded to 8 applicants, 4 of whom attended the *International Aerosol Conference* in St. Louis, USA. The CN Davies Scholarships currently supports 7 students (4 renewals of existing awards, 3 new applicants) with total award value £4,200. Unfortunately, we received no applications for our Undergraduate Student Bursary award this year, but we encourage prospective supervisors to apply for the 2019

award, details of which (alongside all our other awards) can be found on the Aerosol Society website at <https://aerosol-soc.com/grants-and-awards/>

European Aerosol Assembly News

1500 delegates attended the 10th *International Aerosol Conference (IAC 2018)* which was held at the America's Center in St. Louis, Missouri, USA from September 2nd -7th, 2018. 5000 authors submitted 1654 papers which contributed to an impressive programme. In June, 243 participants attended *Aerosol Technology 2018* in Bilbao, Spain. The program scientific program consisted of 4 Plenary Lectures, 110 oral presentations and 100 Posters. The *European Aerosol Conference 2019* will take place at the Swedish Congress and Exhibition Centre in Gothenburg August 25-30, 2019. From 2018-2020, GAeF will lead EAA. The newly elected GAeF president and secretary general are: Helmut Horvath (President) and Birgit Wehner (Secretary General).

European Aerosol Conference 2021

As reported at the last Annual Conference, the UK will host the European Aerosol Conference in 2021 at the International Convention Centre in Birmingham. Plans are already underway, with the Society signing a contract with the ICC and considering possibilities for the conference banquet and social events.

Jonathan Reid: President

Matthew Wright: General Secretary

Treasurer's Report to the 2018 AGM

The financial year has been moved to April-March from January-December to make financial forecasting simpler, pending AGM approval. Therefore, this report describes the financial statement from January 2017 until 31 March 2018, a period of 15 months. The Aerosol Society has made a net profit of £2,204 for the 2017 financial year, which compares to a loss of £ 8,806 in 2016. The finances for the Society in 2017 were generally in line with the underlying performance of the society. Financial performance in 2017 has allowed a small surplus to be achieved.

Sales in 2017 continue the recent increase and were up approx. £74k at £541,358 from £467,422 (2016). It should be noted that the timing of this report captures the majority of the sales from DDL27 and some income from DDL26 and so these sales figures are forecast to be lower in the next report. Significant growth in the attendance at DDL, in particular for exhibitors, as well as growth in attendance at Focus meetings has grown sales ahead of predictions. However, accommodating more exhibitors and growing DDL internationally brought with it an increase in cost of sales. Nevertheless, all Aerosol Society events made a profit and attendance at non-DDL events continues to grow strongly year-on-year. The Society's finances continue to benefit immensely from the increasing success of DDL, which continues to provide resources to undertake activities which further the development of aerosol sciences in the United Kingdom and Ireland.

2017 was a strong financial year for the Society with a gross (trading) surplus of £174,186 from events including a successful DDL27. The DDL Sub-Committee have had extraordinary success of attracting over 600-plus conference attendees, with significant growth in the number of top-level sponsors and exhibitors from the pharmaceutical industry. All predictions are that the sponsorship and attendance remain strong throughout the 2018 financial year, and the committee has been able to offer free attendance to registered students.

The society has continued to increase expenditure on awards. The total value of awards in 2017 was £18,900 covering the CN Davies Awards, Student Travel Bursaries and the Small Research Scheme. The expenditure on awards is forecast to increase in 2018 with a number of new innovations including the Doctoral Thesis Prize, Photography Competition and the renaming and change in focus of the small research grants to become Career

Development Grants, which will increase our commitment to developing the next generation of Aerosol scientists. The Society incurred significantly lower costs for the website in 2017 (£17,365 compared to £43,634 in 2016). The administration costs in this period were higher in 2017 (£82,230 compared to £60,295). A substantial fraction of this increase reflects the timing of this report, which covers 15 months rather than the usual 12 months. Meeting expenses have increased by around £10k in 2017, as a result of a change in policy to cover the travel expenses of committee members attending committee meetings and the hire of a room at the Royal Society of Chemistry as the previous location is no longer available. A 10 % deposit for the Birmingham Conference centre (£13,500), where the society will hold the European Aerosol Conference in 2021 is included as expenditure in this statement.

As a result of the profit generated in 2018, the overall net worth of the society, as of 31 March 2018 has increased slightly from £285,108 to £287,314. The net worth of the society remains around the 2010 levels (£286,908) before EAC. However, the long-term cash reserves of the Society remain untouched (£160,565) which have grown with a small yield to be expected in the current economic climate. The Committee has therefore been able to accommodate year-on-year investment for society development, enhancing the appeal of the DDL conference, education and training entirely within the annual cash flow of the Society.

The benefits of the extra administrator continued to be displayed in 2017, with increased delegate numbers at our meetings, increased numbers of corporate sponsors at events such as the AASC, and improved communication with members.

Jacqueline Hamilton

Treasurer

THE AEROSOL SOCIETY
TRADING AND PROFIT AND LOSS ACCOUNT
FOR THE PERIOD 1 JANUARY 2017 TO 31 MARCH 2018

	Period 1.1.17 to 31.3.18		Year Ended 31.12.16	
	£	£	£	£
Sales		541,358		467,422
Cost of sales				
Events		367,451		334,232
GROSS PROFIT		173,907		133,190
Other income				
Deposit account interest		279		595
		174,186		133,785
Expenditure				
Rent	6,334		1,137	
Rates and water	95		-	
Insurance	515		635	
DDL administration	54,329		44,270	
Aerosol society administration	27,901		16,025	
Other operating leases	1,877		1,447	
Telephone	4,177		3,313	
Post and stationery	4,880		2,579	
Advertising	888		42	
Repairs and renewals	109		113	
DDL meeting expenses	13,073		3,151	
Meeting expenses	8,360		2,261	
Computer support	3,824		1,648	
Web site	17,365		43,634	
Sundry expenses	582		35	
Sponsorship	-		600	
Training	-		650	
Student awards	18,900		11,500	
Accountancy	1,660		1,440	
Depreciation of tangible fixed assets	1,732		1,399	
Bad debts	930		3,264	
		167,531		139,143
		6,655		(5,358)
Finance costs				
Bank charges	3,275		1,499	
Credit card	1,176		1,949	
		4,451		3,448
NET PROFIT/(LOSS)		2,204		(8,806)

BALANCE SHEET
31 MARCH 2018

	Notes	31.3.18 £	£	31.12.16 £	£
FIXED ASSETS					
Tangible assets	2		3,900		3,081
CURRENT ASSETS					
Trade debtors		171,655		32,946	
Other debtors		52,798		39,447	
Prepayments and accrued income		-		3,538	
Prepayments		649		1,653	
Bank deposit account		693		542	
Bank account no. 1		65,600		44,923	
Bank account no. 2		160,565		160,287	
Cash in hand		26		551	
		<u>451,986</u>		<u>283,887</u>	
CURRENT LIABILITIES					
VAT		22,341		254	
Trade creditors		(2)		(1)	
Other creditors		145,856		1,497	
Accrued expenses		379		110	
		<u>168,574</u>		<u>1,860</u>	
			<u>283,412</u>		<u>282,027</u>
NET ASSETS			<u>287,312</u>		<u>285,108</u>
FINANCED BY					
CAPITAL ACCOUNT	3		<u>287,312</u>		<u>285,108</u>

**NOTES TO THE FINANCIAL STATEMENTS
FOR THE PERIOD 1 JANUARY 2017 TO 31 MARCH 2018**

1. ACCOUNTING POLICIES

Tangible fixed assets

Depreciation is provided at the following annual rates in order to write off each asset over its estimated useful life.

Office equipment	- 20% on reducing balance
Fixtures and fittings	- 15% on reducing balance
Computer equipment	- 33% on reducing balance

2. TANGIBLE FIXED ASSETS

	Office equipment £	Fixtures and fittings £	Computer equipment £	Totals £
COST				
At 1 January 2017	536	8,603	17,563	26,702
Additions	230	165	2,156	2,551
	<hr/>	<hr/>	<hr/>	<hr/>
At 31 March 2018	766	8,768	19,719	29,253
	<hr/>	<hr/>	<hr/>	<hr/>
DEPRECIATION				
At 1 January 2017	536	8,227	14,858	23,621
Charge for period	46	81	1,605	1,732
	<hr/>	<hr/>	<hr/>	<hr/>
At 31 March 2018	582	8,308	16,463	25,353
	<hr/>	<hr/>	<hr/>	<hr/>
NET BOOK VALUE				
At 31 March 2018	184	460	3,256	3,900
	<hr/>	<hr/>	<hr/>	<hr/>
At 31 December 2016	-	376	2,705	3,081
	<hr/>	<hr/>	<hr/>	<hr/>

3. CAPITAL ACCOUNT

	31.3.18 £		31.12.16 £	
Brought forward	285,108	£	293,914	£
Add				
Net profit	2,204		-	
	<hr/>		<hr/>	
	287,312		293,914	
Less				
Net loss	-		8,806	
	<hr/>		<hr/>	
		287,312		285,108
		<hr/>		<hr/>
		287,312		285,108
		<hr/>		<hr/>

Education Officer's Report for the AGM 2018

The Fundamentals of Aerosol Science

A single day course, The Fundamentals of Aerosol Science, was hosted by the Society at the Nicolson Building, University of Birmingham, on Wednesday November 8th, 2017. The content of the course was similar to previous years, with seven lectures covering a broad range of topics in aerosol science from aerosol sampling from the environment to aerosols thermodynamics and kinetics. The final lecture, which we have been dedicating to a more an application focus, was given by Dr Paul Quincey from the National Physical Laboratory on Aerosol Regulation and Metrology.

The course started at 10.30am, giving attendees the opportunity to arrive in Birmingham from many destinations after peak travel time, and concluded at 5.15pm with an opportunity for networking with a drink's reception at the end.

There were 7 lectures each of 45 mins duration. The following lectures were presented:

- (1) Introduction and Fundamentals, Prof. Ian Colbeck (University of Essex)
- (2) Environmental Sampling, Dr. Simon Parker (Defence Science & Technology Laboratory)
- (3) Electrical Properties of Aerosol, Dr. Keri Nicoll (University of Reading)
- (4) Optical Properties of Aerosol, Prof. Jonathan Reid (University of Bristol)
- (5) Aerosol Composition, Prof. Markus Kalberer (University of Cambridge)
- (6) Aerosol Thermodynamics and Kinetics, Prof. Ben Murray (University of Bristol)
- (7) Aerosol Regulation and Metrology, Dr Paul Quincey – National Physical Laboratory

We ran exhibitor demonstration sessions in parallel with the lectures. These were allocated on a first come first served basis with sign-up sheets. These optional parallel sessions for small groups of candidates and intended to both increase the breadth of material on offer in the FAS as well as increase the involvement of our experienced exhibitors in the Society's activities.

There were 60 attendees (34 PG students) coming from a wide range of backgrounds, including industry, academic research atmospheric science, drug delivery etc.) and governmental labs. Attendance was similar to the previous year (56 in 2017, 50 in 2016), hence maintaining the growth from 2013 (36 attendees; 21 PG students and 15 non-students).

<i>(Known) Delegate Affiliation</i>	
University of Leeds	9
University of Manchester	8
University of the Punjab	8
University of Birmingham	4
University of Bristol	2
University of Cambridge	2
University of Hertfordshire	2
Imperial College London	2
Royal Holloway	2
Auckland University	1
Cambustion	1
Cranfield University	1
DSTL	1
Open University	1
Protec Fire Detection Plc	1

Feedback was largely supportive, with most attendees responding positively to the balance of topics covered, the length of the day and the appropriateness of the location and venue. Some attendees suggested that there might be too much material for a one-day course.

As in the previous year, lecture handouts were distributed electronically prior to the event.

The course made a surplus of £723 in 2017 (£787.73 in 2016).

Given the continued growth and success of the course over the last four years, the committee recommended that the course should again be held at the University of Birmingham in November 2018, just prior to the Annual Aerosol Society Conference. It was evident that many students stayed on for the annual conference on the following day and this was considered a positive route to encouraging engagement with the wider activities of the Society.

Looking to FAS in 2018, the committee have recommended some changes. Prof Kalberer has left the UK for a position in Switzerland, hence this presented an opportunity to make changes to the course material and bring some new lectures in. The general structure and focus will be maintained in 2018. The planned structure for 2018 is:

- (1) Welcome and Introduction: Professor Benjamin J. Murray – University of Leeds
- (2) Basic concepts: Professor Ian Colbeck – University of Essex
- (3) Environmental Sampling: Dr Simon Parker – Defence Science & Technology Laboratory
- (4) Optical Properties: Dr Rachael Miles – University of Bristol
- (5) Physicochemical Characterisation: Dr Jurgita Ovadnevaite, National University of Ireland Galway
- (6) Thermodynamics and Kinetics: Professor Benjamin J. Murray – University of Leeds
- (7) Aerobiology and Pathogens: Dr Steve Lever, Defence Science & Technology Laboratory

Training & Awards

The Society currently offers three education related Awards for its members:

The C N Davies Award

A Scholarship is awarded annually to graduate students undertaking a course of study leading to a Doctorate at a United Kingdom or Irish University. This Scholarship is intended to encourage a young science graduate to undertake postgraduate training in the field of aerosol science, and at the same time gain some experience in the presentation of work to a scientific audience.

For awardees in 2015, the Society received six applications; two renewals and four new awards. All were granted, and one has been renewed in 2018.

For 2016, the Society received nine applications; four renewals and five new applications. All renewal applications were granted, and three of the five new applications accepted. One has been renewed in 2018.

For 2017, the Society received nine application; 6 renewals and three new applications. Five renewal applications were granted, and all three new applications were awarded. All three have been renewed in 2018.

There were three new applications in 2018, all three were awarded.

Current holders (seven) of the award are listed in the table below.

2015	Alison Connolly	NUI, Galway	Occupational and bystander exposures to pesticide's during aerosol applications in horticulture and amenity gardening
2016	Alex Harrison	University of Leeds	Atmospheric mineral dust and its role in ice formation
2017			

2018	Precious Akhjemokhan	Kings College London	Next Generation Nebuliser Formulations
	Florence Greson	University of Bristol	Evaporative Drying of Droplets and the Formation of Structured and Functional Microparticles
	Nina Wemken	NUI Galway	Persistent organic pollutants in occupational And private environments
	Zachary Enlo-Scott	Kings College London	Respiratory bioavailability and comparative toxicology following inhalation of pesticide aerosols.
	Karrar Al-Diwari	University of Leeds	Droplet collisions in spray drying

Early Career Scientist Travel Award

Awards in the form of bursaries of agreed amounts are available to early career scientists (including postdoctoral researchers) who are members of the Aerosol Society to attend Overseas Conferences. The following awards have been made during 2018:

Name	Affiliation	Event	Awarded
Sarah Shallcross	University of Leeds	EGU 2018 - European Geosciences Union General Assembly 2018, Vienna.	500
Damian Oyarzun	University College London	11th International Conference on Air Quality – Science and Application	500
Flo Gregson	University of Bristol	IAC 2018	500
Godwin Akpeimeh	University of Leeds	IAC 2018	500
Mara Otero-Fernandez	University of Bristol	IAC 2018	500
Stephen Ingram	University of Bristol	IAC 2018	500
William Dixon	University of York	2018 joint 14th iCACGP Quadrennial Symposium and 15th IGAC Science Conference Japan.	500
Thomas Whale	University of Leeds	Water: Driving Life, Medicine, Energy and Environment, USA	500
			£4,000

Undergraduate Research Bursary

This bursary scheme provides an opportunity for undergraduate students enrolled in a range of physical science, engineering or technology-based degree programmes to spend a minimum of six weeks working on an aerosol research project. Through support from the bursary scheme, an undergraduate will be able to gain experience in aerosol science research and encourage them to pursue a career in aerosol science. The bursary provides £1200 in funding, based on £200 per week for six weeks and eligible supervisors are encouraged to apply. For further details, please refer to the website. There were no applications this year.

Prof. B. J. Murray
Education Officer

Proposed elections to the committee

Darragh Murnane – Vice President to Ordinary Committee Member

Jonathan Reid thanked Darragh for all he has done in this role.

Benjamin Murray – Education Officer to Vice President

Jonathan Reid explained he had requested nominations for the VP role and Ben Murray had volunteered.

Janine Jordan - Ordinary Committee Member to Education Officer

Jonathan Reid explained Janine volunteered for this role and it's really good to have someone from industry (DSTL) who understands the skillset that a student requires to progress in this area.

Jacqui Hamilton – Treasurer

Matthew Wright – General Secretary

Jonathan Reid explained that Jacqui & Matt took up their current roles mid-year to replace Mark Hammond & Markus Kalberer and we are hoping to be able to validate their positions today.

Marc Stettler – Ordinary Committee Member

Jonathan Reid explained Marc was co-opted onto the committee last year and proposes he become an ordinary committee member.

Jonathan Reid added that the Society is always looking for new people to join the committee so if you are interested, please contact the Society or speak with any existing committee members.

Jonathan Reid proposed all the above elections and asked if there was anyone who wished to challenge these proposals? No challenges, so Jonathan Reid proposed all the appointments were made.

Proposed: Jonathan Reid

Seconded: James McGrath

Jonathan Reid asked those present if there was any other business?

None