



Canadian Association of Technical Accident Investigators and
Reconstructionists

C.A.T.A.I.R
Atlantic Region



Minutes of September 21, 2003 Meeting

Executive Meeting commenced at 0945 hr. Present were Chair: Ken Zwicker
Secretary: Charlie Hibbert
Treasurer: Mike Reade
Director: Keith Oliver
Director: Evan Scott (not present)

- I. The last formal business meeting was December 8th, 2002 at Amherst, Nova Scotia and Keith Oliver had presented to us the methodology involved in the Sussex bus crash investigation. He demonstrated this with a Corel presentation. Well done Keith!!
- II. Discussion of the location of the 2004 C.A.T.A.I.R. course and Annual General Meeting and conference. The dates agreed upon for the course is August 16 - August 20 (Monday to Friday). The C.A.T.A.I.R conference is August 20th and 21st(Friday and Saturday) and the Annual General Meeting is scheduled for August 22nd (Sunday).
- III. The C.A.T.A.I.R. course will be the **Applied Physics for the Traffic Crash Investigator** instructed by Nate Shigemura and John Dailey. (Both well-known in the reconstruction community and I.P.T.M. instructors)
<http://www.iptm.org/crash.htm#021109>

This course is designed for investigators who want to gain a more thorough understanding of the physics that are applied in the reconstruction of a traffic crash or any other incident where motion is involved.

While some of the topics discussed in the course are introduced in basic crash investigation and reconstruction courses, they will be given significantly more in-depth coverage in this course. In addition, Applied Physics for the Traffic Crash Investigator will prepare the investigator for the concepts presented in advanced reconstruction courses using computer modeling. **Topics include:**

Math overview

Work-energy relationships and applications

Conservation of linear momentum/impulse (with vector sum analysis using mathematical and graphical methods)

Uniform projectile motion/airborne equations

Uniform circular motion/critical speed

Tire forces and tire mark evidence

Time-distance relationships

Energy loss in collisions/CRUSH

Rotational mechanics/rotation after collision and pitch down in take off

Low-speed collision considerations including coefficient of restitution

This course will be instructed by those possessing the skills of advanced mathematics, having an engineering background and who are serving or have served as law enforcement officers.

The location of the course and Conference/AGM was discussed and although a definite location was not chosen several possibilities were discussed. Moncton and Fredericton were discussed as possible locations. A decision will be made on October 5, 2003 and further information to follow. The cost of this course will be similar to the cost for the last C.A.T.A.I.R. course held in 2001 in Fredericton, N.B.

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C.A.T.A.I.R.

Atlantic Region

- IV. Committees required for organizing the C.A.T.A.I.R. Course and conference/AGM and the following was discussed:
- Steering Committee - Ken Zwicker
 - Course Coordinator - Mike Reade
 - Seminar Conference Coordinator - Charlie Hibbert
 - Treasurer / Registrar - Mike / Reade

Other coordinators required: Field testing, publicity, media, accommodation, sponsors, exhibitors, merchandise/awards, reception, AGM, A.C.A.T.A.R., meals/refreshments/banquet, companion activities. *We need as much help as possible from any or all C.A.T.A.I.R. members so we will look forward to hearing from you.* These coordinators to be announced.

- V. The next meeting will be December 7th, 2003 and will be at the Wandalyn Inn in Amherst, Nova Scotia. The executive meeting will start at 0930 hr and the general meeting will be at 1030 hr but come earlier if you like. During this meeting we will again discuss the 2004 C.A.T.A.I.R. course and Conference/AGM and Keith Oliver will show us some new software that he acquired at the 2003 C.A.T.A.I.R. AGM/Conference in Burlington, Ontario this year.

General Meeting commenced at 1045 hr. Present were Ron MacDonald, Rick Younker, Brent Steeves, Ron Falkenhan and Dan Forret along with the previously mentioned executive.

- I. Ken read the minutes of the last formal meeting at Amherst, N.S. which was held on December 8th, 2002. Ken motioned these minutes be read in to the record and Ron seconded the motion.
- II. Treasury report was read into the record by Mike Reade (treasurer) and the current balance is \$10,837.93. Keith motioned that this report be read into the record and Brent seconded the motion.
- III. Old Business was discussed briefly and Ken advised that there was no profit sharing for year 2002 from the National level. He will advise further after the minutes are read from the 2003 National AGM to see if there will be any profits for 2003.
- IV. Ken spoke about the 2003 C.A.T.A.I.R. AGM/Conference held in Burlington, Ontario as he was present for most of it. He advised that there were approximately 70-80 participants.
- V. Ken spoke about the Atlantic Region Elections and welcomed the new executive members and some old ones back. New members in the executive are Charlie Hibbert (Secretary), Keith Oliver(Director).
- VI. The group spoke about the Atlantic Region C.A.T.A.I.R. Logo and there is no decision made as of yet as to what exactly it will be. Mike Reade had sent out several variations of the Logo but there were very few responses from C.A.T.A.I.R. members. We set a deadline of December 7, 2003 for submissions. Any submissions are to be sent to Mike Reade at mreade@frsi.ca
- VII. The group spoke about new business and Keith Oliver spoke about the new software that "J" Division purchased for the Analysts / Reconstructionists. It is called Visual Statement and is capable of both 2D/3D diagraming. "L" Division has also purchased a copy of this software.

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C.A.T.A.I.R.

Atlantic Region

- VIII. The group spoke of upcoming events and included a discussion of the next regional meeting which is scheduled for December 7, 2003 in Amherst, N.S. at the Wandalyn Inn. Keith will demonstrate some software he obtained at the C.A.T.A.I.R. Conference/AGM. There will be some testing if the weather cooperates and the content will be discussed at a later date.
- IX. The last part of the meeting was individual members comments and we went around the table to give everyone a chance to express comments or ask questions either specific or in general terms.
- X. Meeting adjourned at 1220 hr.
- XI. After lunch we attended the area behind hanger 9 and 10 at Slemon Park in Summerside and while using two test vehicles we continued with braking in a curve. The results of 19 test runs with two test vehicles were recorded and Keith will collate the results for the group and they will be handed out at the next meeting.
- XII. Any questions or coments please contact me anytime.

C.W. (Charlie) Hibbert

"L" Division R.C.M.P. Traffic Services

Box 1415

Summerside, P.E.I.

C1N 4K2

902-436-9300

"We are dedicated to improving public safety of our roadways"

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