

On Nov. 11, 1999, DØ held a party in the Village Barn to honor Hugh Montgomery for his leadership of DØ as co-spokesman from 1993 to 1999. An exceptional spread of food was provided by people from many of the cultures represented in DØ. The talks indicated the range of Mont's accomplishments, his attention to all in the far-flung collaboration, and his human qualities and idiosyncracies. The comments made at the event are summarized here.

Michael Tuts, Columbia University. (Mike has been co-leader of the upgrade project since its inception; with Mont from 1990 – 1993, and has the insider's view of the long road that this adventure has been.)

You will be hearing from a number of people that will talk about various aspects of Mont's DØ career. I will talk to you briefly about "Mont: The Early Years". It is sobering to think that many of you may not realize that Mont was the original project manager for the upgrade. It was Paul that appointed Mont as upgrade manager in 1990 – a time when Mont's hair was blacker, and my hair was actually there. However I suspect that it soon became clear to Paul that despite Mont's many skills, his PC skills were lacking. And Paul, prescient as he is, realized that in this new era of experiments, costs and schedules would play a major role, and someone would have to take over Paul's beloved Lotus 1-2-3 spreadsheet for the upgrade. So, shortly after, Paul convinced me to join Mont as co-project leader. As our friendship developed, I learned that this technique of selective development of skills was one that Mont carefully and proudly cultivated even at home, where as I understand it, to this day he has never developed the skills of changing a lightbulb, or picking up a screwdriver – he delegates that to his wife Jean.

Paul was of course far more clever than both of us, because he convinced us that we would be able to carry out the upgrade of the detector in time for the Main Injector start-up in December of 1995. Just four short years – a piece of cake! We were off to a good start with Stage I approval of P823 in 1991. We struggled with issues of costs, staging, de-scoping, re-scoping and so forth and finally emerged with an upgrade that looks very much like what you see today. However, what recently has been brought to my attention as a lasting legacy of Mont's from those early years, are some novel accounting techniques that continue to plague us today. However, it is only with hindsight that I realize how superb Mont's organizational skills are – since he had bought in to the 1995 start date, he realised that his plan clearly called for him to be spokesman just before the Main Injector era started and so he became spokesman in 1993, and managed to carefully avoid the 6 Lehman reviews. I on the other hand was just realizing that the fine print on my contract said that Financial Officer was apparently a lifetime position.

So now that his journey in the wilderness of spokesmanship is over, and he has been able during that time to develop his Excel spreadsheet skills, I welcome him back to the fold. Mont: I have been saving some cost estimates for you to work on.

Mark Strovink, University of California at Berkeley. (Mark was DØ's first Physics Coordinator, and has shaped more of the DØ physics than almost any of us. He is also the person who has worked (on physics) with Mont longer than any of us.)

“Physics Life in DØ”

[In response to Paul's introduction] yes, I've known Mont for 20 years. But this is a time for solemn tribute.

I want to make three points. First, Mont reads all DØ papers religiously. Even if you're one of our youngest people, contributing your analysis to an obscure conference, DØ's top management will review it (this is a tradition since the beginning of DØ). On a Saturday night, when you're relaxing with a bottle of wine, Mont is reading your paper – with his bottle of wine.

As you know from his comments, Mont cares about the physics of the paper and just as deeply about the words. He values clarity of exposition.

My second point is that Mont never shrinks from representing DØ to the outside world. The buck stops at his desk. If a DØ physics summary needs to be written, or a plenary review needs to be given, Mont will do it, along with all the other demands – PAC meetings, crises – on his time.

Both of these points are illustrated by excerpts from Mont's most recent preprint:

RECENT RESULTS FROM THE TEVATRON COLLIDER

Hugh E. Montgomery

ABSTRACT

“In as much as space permits we discuss some examples of interesting recent results obtained by the CDF and DØ experiments at the Tevatron Collider.”

4. ELECTROWEAK PHYSICS

“At the Tevatron ... some of the cross sections are very small, indeed within the standard model the cancellations lead to the standard model predicting the smallest possible production cross sections ... ”

5. SEARCHES FOR THE HIGGS BOSON

“The optimistic among physicists will rejoice that the Higgs is maybe just around the corner, perhaps behind us, but the serious will notice ... ”

“For low mass Higgs states this means the decay to photon pairs which has a very low branching ratio and the signal has significant backgrounds associated.”

“This is considerably above the standard model expectations, on the other hand there is no-one to say that the standard model is correct.”

My last point is that, with our conflicts, foibles, needs, and longings, Mont always thinks of us and treats us as human beings – as he is a human being.

At 3 AM on Wednesday in the Worst Western, the fire alarms went off. A guy in the hallway was pounding on doors yelling “Fire! Get out!”. After we gathered in the parking

lot, he became even more agitated, expressing the fear that “Joe” was going to kill him.

It turned out that “Joe” wasn’t Incandela. And the guy wasn’t a member of DØ, or even a guest – just someone off the street with too much angel dust.

The next day, when I told this story to Mont, he reminded me again why he’s spokesman of the experiment and I’m a member. “Mark”, he said, “with all those physicists pouring out of their rooms – did you see any unusual combinations?”

Gene Fisk, Fermilab. (Gene has been at various times, DØ project leader, experiment deputy spokesman, Mont’s boss, Mont’s deputy. He has made Mont look good by being the leader of the first completed DØ upgrade project.)

In planning this presentation we decided we wanted Mont to have something that was representative of his involvement in the experiment and somewhat of a microcosm of DØ. We have succeeded far beyond our expectations.

The gift I will present started with a proposal. Actually there were two proposals which seemed to be on completely independent tracks. Proposal #1 was written – in the form of an e-mail message – probably one line from our former spokesperson. There was input from the present co-spokesperson, the deputy department head, middle management (= Del Miller), so a number of professionals were involved. The proposal was not reviewed by the PAC; they didn’t even know about it, which we consider to be a major coup. While there was a WBS structure to the project, there was no formal proposal, no cost estimate, no Lehman reviews (another major coup) and no project engineer until we needed one at the last moment when middle management disappeared for a week of holiday. Proposal #2 seemed to be proceeding on its own - at least the ground work for it.

There was a schedule for completion of the two projects – something like a roll-in date. As the roll-in date came closer, there was some communication on the status of Project #1 – words were needed and supplied. As the date for roll-in arrived we contacted the supervisor of middle management – a project engineer – to find out where the project was. This led to the discovery that somehow there had been a de-scoping of the two projects; they had been combined to a single project.

(Jerry Blazey should say a few words here. (*see below*))

In our investigations we found the wrong schedule had been assumed by middle management who had a roll-in date that was four days later than the project managers. So further descoping was necessary. In fact essential elements of the project, such as the recipient’s name had to be eliminated. This was deemed to be OK as such frills could either be added later or the plaque could be recycled as necessary.

It is now our pleasure to present to Mont this plaque which reads:

“In appreciation for six years of inspired and unique DØ leadership”

Thank you, Mont!

Jerry Blazey, Northern Illinois University. (Jerry arrived at DØ as a fresh postdoc to work on the calorimeter beam tests; he has shaped our studies of the strong interaction and now serves as the overlord of the upgrade Trigger fiefdom.)

Mont, I had intended to present you with a square foot of parking lot to commemorate your tenure as spokesperson, but as Gene said there was a bit of confusion over awards. So let me instead show the rubble Fermilab left of the square foot.

Did you know that we often tried to see how long we could keep you in the parking lot? We exceeded one hour on more than one occasion.

Since you seemed to draw your strength from the parking lot I commissioned a piece of the parking lot for you to always keep near as a source of inspiration. (Next week we'll get another piece to complete the presentation.)

The plaque reads,

*To Hugh Montgomery
for years of Parking Lot Leadership
Co-spokesperson 1993-1999
with deepest gratitude
the DØ Collaboration*

Pierre Petroff, IN2P3, Orsay. (Pierre is a leader of the French collaboration on DØ; the addition of the IN2P3 groups was one of Mont's notable accomplishments, and represents the growth of DØ as an international collaboration.)

In 1997, I met Mont time to time as he was the chairman of the referees for the Atlas experiment. I had very stimulating discussions with him concerning the future French participation to the DØ experiment. I was very impressed by his knowledge of the French groups in high energy physics. But Mont knows evrybody in physics! The 1997 year was a very critical one because we had to convince the director of IN2P3 to support our participation to DØ and not the participation of other French groups to CDF. We got the approval by the end of October and a big part of this success is due to the very friendly and very efficient help of Mont.

I remember a chat we had at CERN which started in the morning and finished late in the afternoon at home, after having enjoyed a good meal prepared by my wife. I discovered

at this occasion how Mont likes wine! And a man who speaks so well french and like so much good wine cannot be completely bad! In order to remind you this nice period, nice because it ended successfully, let me give you this bottle of Burgundy “de ma reserve personnelle”.

To conclude, I would like to read two e-mails sent by Mont and Harry as soon as they knew we were approved to join DØ. The Mont’s mail was the following: “Thank you all for your messages relaying the good news about IN2P3. The news was a little delayed reaching us because we had a power outage and no computers until midday ...” When we received this mail we were wondering if we had made the good choice! But it was too late ...

The Harry’s mail was: “Congratulations! I am glad that the IN2P3 directors made the right decision ! I guess now we can finally drink the Champagne bottle that Pierre promised we could open, but not drink yet!”

It is never too late ... may I offer you this bottle of Champagne ”cuvée an 2000” I invite you to drink with Harry..

In the name of the French collaboration I would like to thank you very warmly for the tremendous work you have done as spokesman of the DØ collaboration.

Guillermo Lima, Universidade do Estado Rio de Janeiro. (Guillermo is the only speaker today who did his Ph.D. on DØ, and so holds a special place. He also represents another aspect of Mont’s work to extend DØ to countries around the world.)

Santoro has asked me to say a few words today, on behalf of our Brazilian group, and he said he would be here with us tonight, with his heart. My words are certainly the same ones that Santoro would like to say to our friend Mont.

DØ has been a rich source of physics in the recent past, and will certainly continue to be in the future. We Brazilians are very proud to be members of DØ Collaboration, where we enjoy an important and highly stimulating interchange of scientific and cultural ideas with an international community. DØ research is the priority of our group, here and in Brazil. We are currently twenty physicists and engineers working for Dzero, from six different Brazilian institutions!

In particular, I was the first Brazilian to get a thesis with DØ data. And after mine, three other theses followed: Vitor Oguri, Andre Sznajder and Wagner Carvalho. All of us continue to do our research as you know, and contributing to the development of the Brazilian Universities. In my University we are currently four DØ Ph.D’s.

Still now, as you know, we are facing difficulties for establishing High Energy Physics in Brazil. Actually most of the difficulties are mainly due to our own success. Nevertheless, we are confident that the Forward Proton Detectors will be here by December!

Mont, the Brazilian particle physics community did not forget the nice talk you presented in Caxambu - a small city in the State of Minas Gerais in our National Meeting on Particles and Fields. And none of us will ever forget the day you went on your own to the Maracanã Stadium! This is certainly your strongest link with Brazilian culture: Football! Not the American Football, but the English Football! Or the Brazilian Football, if you wish... So

here you have it: Garrincha, Pele and Zico send you a tight “abraco”.

The Brazilian group is very grateful to you, Mont, for all the work you have done and will certainly continue to do in DØ, and in particular the support you have given to us. Thank you very much, and the best luck in all your future DØ projects!

Stefan Grünendahl, Fermilab. (Mont served as mentor and guide for many of the younger people in DØ, particularly Fermilab postdocs and Wilson Fellows. As Rochester postdoc and now Wilson Fellow, Stefan has focussed on bringing the upgrade to completion more single-mindedly and effectively than most of us.)

I’ll try to keep this short and I hope I won’t bore you too much.

I don’t recall exactly when I met Mont first, but it must have been in 1992, when I came here from Rochester. It certainly was nice, when I came to DØ, to see at least one fellow foreigner and fellow smoker in this strangely health-orthodox country, who had made it to some senior position despite this horrible habit.

I also found out that Mont played football (called ‘soccer’ here), too, so obviously I was on the right track.

Later a bit of disappointment came, when Mont abandoned the upgrade after being elected co-spokesperson; that was in 1993, and that year brings me to a recent remarkable discovery, namely the truly strange correlation between Mont’s tenure at DØ, and the performance of the Manchester United football team: after a very lackluster 1980’s, with no league championships at all, and only 2 cup victories in 10 years, Manchester United’s performance improved suddenly when Mont joined DØ in 1990: 3 cup victories in a row, while Mont was upgrade co-leader.

1993 then really sees major events: Mont becomes co-spokesman, and Manchester United scores it’s first premier league championship in more than a decade !

Since then the steady stream of successes never stopped: 12 league championships and cup victories in total in this decade, including three alone this year ! In parallel, Mont did extremely well as DØ spokesman, what with the top discovery and all that the other speakers already told you about.

Clearly, a very strange correlation.

So, let’s hope that the success continues, and in order for that to happen I would like to close with a few bits of advice for the new spokesman:

- keep the accent, that obviously fits in with the tradition.
- football practice couldn’t hurt.
- learn to smoke (Menthol cigarettes shouldn’t be too hard to handle).
- and last, stock up on Ben & Jerry’s T-Shirts, for that distinguished British spokesperson look ...

Meenakshi Narain, Boston University. (Meenakshi's career has advanced through many stages of DØ, from electron ID, to top cross-section to silicon track trigger. Her advice and opinions are always softly stated, but always heartfelt.)

We all are assembled here to thank Mont for the guidance that he gave us over the past years as DØ co-spokesperson.

The very first impression of Mont I have is when I had first joined Fermilab as a postdoc. He and Gene invited all the postdocs for a meeting in the Far Side. If you know the Fermilab group, this is just not a done thing. So this was a big deal.

Anyway so here we were, Gene and Mont and the green postdocs, waiting to hear why we were summoned in a room. Mont gets up and starts explaining: "Well you know Gene is a nice guy, he will give you 'all is well', but I have to tell you what you should always keep in mind. There is a highly competitive world out there and if you think you are good, then there are equally good or better people out there ...". So, I guess the message was that we should work even harder??

Taking this seriously and always admiring the number of hours he would spend at DØ (but he still did not put in as many as Bruno), I once asked him how I would get everything done – there are just not many hours in the day – he volunteered to share the secret of his success with me: he succeeded because he had a wife! I guess that's why I am here tonight while Ulrich is at home taking care of Aneesh and he can come only on OFF weeks, while I come to DØ on ON weeks.

When thinking about what memorable things Mont has accomplished during tenure as the co-spokesperson, there were these:

1. The discovery of the top quark – Mont pacing up and down through the corridors came to mind. He could never sit still in the marathon internal meetings we had trying to tear apart the result; he could never sit still in the EB meeting room reviewing the 100 or comments we got. Probably he was secretly preparing his numerous speeches while we were slaving away!

I think he was just too nervous reading Mark's mail messages, each 4 pages long, with a frequency of 3 per hour. He was falling way behind in proving to Mark his manhood or ... by trying to respond to Mark's comments! That must have filled up a few gigabytes of disk in a week.

2. And then there is his famous contribution to the upgrade detector which the whole world should know: the naming convention of the silicon detector – there are the barrels and then the F and H disks, where did the E, G and other parts go? I am told that this was Mont's contribution as the leader of the upgrade.
3. But to me, his crowning achievement has only been realized in the last few months, or maybe this is DØ's way of taking a manly physicist and turning him worldly wise...

So by now you are wondering what is this ...

I went through DØNews and looked at what Mont posts there – the usual publication announcements, the W&C beer invites, so one comes across really not much of substance until you get to the DØNews item about the daycare issue and how to solve it.

So when we are wondering how Mont can continue to do substantial things for the

collaboration, as he retires from his spokesperson phase, then maybe we should look forward to the opening of “Mont’s Daycare” – open evenings and during the collaboration meetings and workshops.

Enough said! Many thanks to Mont and Jean (if Mont is still in the room).

Barbara Grannis (Barbara is a charter member of the DØ support system.)

I am very nervous and am taking off my glasses in the hope that you will all go away.

Being spokesman of DØ is like being the parent of a wilful, demanding and unruly child. Paul was a single parent to this monster for about 10 years. I did not think they he would be able to let go of the total responsibility for the monster as easily as he did, but he and Mont had a wonderful relationship from the start. They trusted each other, they respected each other and by God, they liked each other. It is a tribute to Mont that he was able to step in and take hold the way that he did.

But all the time that Mont was busy supporting DØ, Jean was there supporting him – which she did with grace and a lot of good sense. I think she deserves a round of applause (CLAP).

But in case the two of you think that you’re going to have some quality time together, think again. As we speak, there are Lab Directors, committee chairmen in Washington and university administrators who are dying to get their hands on Mont. (Interrupt from Mrs Mont: “They can have him!”) There is a life after DØ spokesman but it has nothing to do with rest and relaxation.

I wish John well – I guess he knows by now that spokesman is a 24 hour a day, 7 day a week position, with no time off for Christmas or good behavior. In fact, the better behaved you are, the longer they keep you. Good luck to John and to Harry, and congratulations, Mont, on a job well done.

We have a gift for Mont that comes from an organization that means even more to him than DØ does – Manchester United (a United bath towel).

Harry Weerts, Michigan State University. (In July 1983, the first ever collaboration meeting of DØ was held in Stony Brook. Harry was there, and has been everywhere in DØ ever since, making the experiment happen. For the last three years, Harry and Mont have worked together as a ‘seamless garment’, so we’ll get the view from within the straitjacket.)

Everybody has a certain image of somebody else performing his/her job or responsibilities. I have such a picture of Mont being spokesman of DØ. This picture never really crystallized until this year’s DØ workshop in Prague. Before the workshop dinner we had a tour of Prague and as we were wandering through one of the old narrow streets, Heidi

Schellman pointed out an old colored pen drawing from the early thirties that was for sale. Heidi said: "This might be appropriate for the upcoming Montfest.". I totally agreed, because the drawing exactly presented my image of Mont as spokesman of DØ. I bought it immediately (contrary to my Dutch upbringing), Heidi brought it back, my wife Gisela had it framed and we would like to present this to you Mont as a token of our appreciation for your leadership in the last six years.

What is on the drawing? The drawing captures a large crowd in Leipzig, a cannon being shot and a featured artist, with a big glove, who attempts to catch the cannon balls as they are fired. Quite a spectacle, but it reminded me of Mont trying to instantly respond to all the interrupts, pressures and needs from within and from outside the collaboration on a normal day at work. The artist in the picture only wore a glove on one hand. My image of Mont is this artist with two gloves and trying to catch (duck) cannon balls being fired from several cannons.

(Hand the picture to Mont)

I would like to add a personal note to this. Over the three years that Mont and I have been spokesmen of DØ we have not always agreed on every issue, because we approach things in a very different way. However we have learned to listen to and respect each other's opinion and approach, and then tried to find the best solution for the experiment. Mont has been an incredible help for me when I started as co-spokesman of the experiment. Even though I will never respond to anything as quickly as Mont does, he has taught me that my response time has to improve. Over the last few years Mont and I have become good friends, in addition to being colleagues, who still have their own opinions and approaches to solving problems, but who do this with mutual respect for each other. I sincerely thank Mont for that.

John Womersley, Fermilab. (John arrived in DØ in 1986 as a postdoc with Florida, continuing through Florida State, SSC Laboratory and to Fermilab. Thus he holds the record in DØ for the most masthead affiliations, thus qualifying him in outstanding fashion to be our spokesman.)

It's been a very busy week for me. On Wednesday I got a phone call from Ken Johns, telling me that I had been elected co-spokesman; and about a nanosecond later I received e-mail from Paul Grannis, congratulating me on the election result and asking if I would say a few words at the 'Montfest'. He suggested I might say something about stepping into Mont's shoes. Well, Mont has very distinctive shoes — have you noticed them? They are like moccasins. In fact I have a very similar pair which I use whenever I have to get up and go to the bathroom in the night. So I don't want to dwell on filling Mont's shoes (with anything).

In casting around for other topics for tonight, I realised that DØ has no formal way of 'swearing in' a new spokesperson. So I thought of having a swearing-in ceremony, and asking Jon Kotcher to come and swear at the spokesmen. But there are children present, so that idea is best dropped.

In the end I thought I would just talk about why DØ likes Mont. Obviously you do: in choosing me, you chose the closest replacement you could find for him — same nationality, same institution, from the same experiment at CERN. (of course, there are some differences: no highlighting pens or pack of Kool cigarettes in my pocket). So we like him — why? Is it physics insight? I think Mark Stovink already addressed that. Is it eloquence? I think Mark addressed that, too. His technical expertise? No — I think fundamentally we like him because he can sit there with a big grin on his face for an hour or more while people stand up here and make fun of him. So in closing I'd like to congratulate him using the words of one of my favorite e-mail messages from the many that I have received over the last week. This is from Mani at UC Davis. It says 'may oceans of beer wash over your soul on this auspicious day!'

(raise glasses in toast) "To Mont!"